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News Release

machine tool builders

FOR RELEASE: November 24, 1986
Contact: Charles Pollock
Michael Codel

MACHINE TOOL ORDERS RISE 30.1% IN OCTOBER

During October machine tool orders rose to $176.00 million, up 30.1% from the $135.25 million posted in the previous month. Metal cutting orders were up to $126.70 million, a 26.5% rise, while metal forming orders rose to $49.30 million, up 40.5%.

Machine tool shipments reached $244.70 million in October, a 17.7% rise from September's $207.95 million figure. This represents a 14.8% rise to $185.20 million in shipments of metal cutting equipment and a 27.7% rise to $59.50 million in shipments of metal forming equipment.

"We are encouraged by the rise in both orders and shipments of machine tools for the month of October," stated James A. Gray, president of the National Machine Tool Builders' Association. "We are now seeing some results from our very successful machine tool show (IMTS-86, September 3-11, 1986). Considering the current mood of caution in the manufacturing industries, we can only hope that the rise in new orders is a good sign that the U.S. machine tool industry is holding its own. In this period of rapid technical change and economic uncertainty, we believe purchasers of industrial equipment know that when they buy American they buy a quality product representing the best that the machine tool industry anywhere has to offer."

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Compared to October one year ago, combined metal cutting and metal forming equipment orders were down 23.4%. Year-to-date order totals also were off, having fallen from $2,157.95 million in 1985 to $1,852.00 million in 1986, a 14.2% drop. Orders for metal cutting machine tools fell to $1,368.90 million for the year, a 12.5% drop; while orders for metal forming equipment fell to $483.10 million, an 18.5% drop.

At $244.70 million, shipments show a 22.8% rise over October one year ago. Year-to-date figures show an 8.7% rise in shipments, going from $1,971.70 million in 1985 to $2,142.35 million in 1986. Cumulative figures for 1986 show metal cutting machine tool shipments rising 18.6%, up to $1,560.20 million, and metal forming machine tool shipments falling 11.4%, down to $582.15 million.

The $1,676.00 million net new order figure for the first three quarters of 1986 represents a decline when compared to 1984 and 1985, but is well above the figures for 1982 and 1983.

Machine tool order backlogs for September fell to $1,367.20 million, down from $1,435.90 million for September.

# # #

COMPARISON CHART

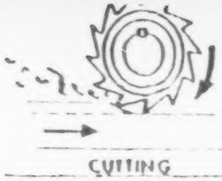
NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
OCT 1986	115.50	11.20	126.70	44.95	4.35	49.30	160.45	15.55	176.00
SEP 1986	89.95	10.20	100.15	23.65	11.45	35.10	113.60	21.65	135.25
% CHANGE OCT 1986:SEP 1986	+28.4	+9.8	+26.5	+90.1	-62.0	+40.5	+41.2	-28.2	+30.1
OCT 1985	134.95	21.05	156.00	69.25	4.60	73.85	204.20	25.65	229.85
% CHANGE OCT 1986:OCT 1985	-14.4	-46.8	-18.8	-35.1	-5.4	-33.2	-21.4	-39.4	-23.4
YEAR TO DATE 1986	1,227.20	141.70	1,368.90	427.95	55.15	483.10	1,655.15	196.85	1,852.00
YEAR TO DATE 1985	1,379.40	185.55	1,564.95	535.85	57.15	593.00	1,915.25	242.70	2,157.95
% CHANGE 1986 : 1985	-11.0	-23.6	-12.5	-20.1	-3.5	-18.5	-13.6	-18.9	-14.2

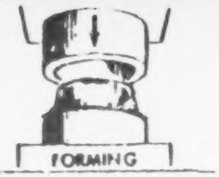
SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
OCT 1986	172.10	13.10	185.20	52.60	6.90	59.50	224.70	20.00	244.70
SEP 1986	140.80	20.55	161.35	40.30	6.30	46.60	181.10	26.85	207.95
% CHANGE OCT 1986:SEP 1986	+22.2	-36.3	+14.8	+30.5	+9.5	+27.7	+24.1	-25.5	+17.7
OCT 1985	114.05	15.85	129.90	64.60	4.80	69.40	178.65	20.65	199.30
% CHANGE OCT 1986:OCT 1985	+50.9	-17.4	+42.6	-18.6	+43.7	-14.3	+25.8	-3.1	+22.8
YEAR TO DATE 1986	1,392.90	167.30	1,560.20	533.65	48.50	582.15	1,926.55	215.80	2,142.35
YEAR TO DATE 1985	1,198.60	116.40	1,315.00	607.55	49.15	656.70	1,806.15	165.55	1,971.70
% CHANGE 1986 : 1985	+16.2	+43.7	+18.6	-12.2	-1.3	-11.4	+6.7	+30.4	+8.7

Source: National Machine Tool Builders' Association



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

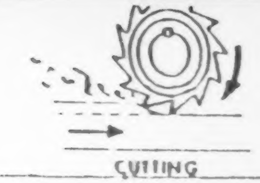


DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1985	$ 2,262.15	$ 265.95	$ 2,528.10	1,657.55	$ 2,291.45	$ 253.75	$ 2,545.20
1986							
JAN	$ 174.95	$ 15.80	$ 190.75	1,702.45	$ 124.85	$ 21.00	$ 145.85
FEB	$ 198.25	$ 12.15	$ 210.40	1,710.20	$ 185.65	$ 17.00	$ 202.65
MAR	$ 196.80	$ 17.80	$ 214.60	1,676.00	$ 219.30	$ 29.50	$ 248.80
APR	$ 169.25	$ 24.00	$ 193.25	1,659.70	$ 190.80	$ 18.75	$ 209.55
MAY	$ 177.00	$ 29.20	$ 206.20	1,636.35	$ 207.10	$ 22.45	$ 229.55
JUN	$ 190.55	$ 10.60	$ 201.15	1,525.60	$ 289.00	$ 22.90	$ 311.90
JUL	$ 135.30	$ 34.70	$ 170.00	1,505.55	$ 172.50	$ 17.55	$ 190.05
AUG	$ 139.00	$ 15.40	$ 154.40	1,508.60	$ 131.55	$ 19.80	$ 151.35
SEP	$ 113.60	$ 21.65	$ 135.25	1,435.90	$ 181.10	$ 26.85	$ 207.95
OCT (P)	$ 160.45	$ 15.55	$ 176.00	1,367.20	$ 224.70	$ 20.00	$ 244.70
10 MONTHS	$ 1,655.15	$ 196.85	$ 1,852.00		$ 1,926.55	$ 215.80	$ 2,142.35

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1985	$ 2,433.30	$ 282.65	$ 2,715.95	$ 171.15	$ 16.70	$ 187.85
1986						
JAN	$ 180.65	$ 17.20	$ 197.85	$ 5.70	$ 1.40	$ 7.10
FEB	$ 214.85	$ 14.65	$ 229.50	$ 16.60	$ 2.50	$ 19.10
MAR	$ 203.35	$ 18.40	$ 221.75	$ 6.55	$ .60	$ 7.15
APR	$ 181.10	$ 24.45	$ 205.55	$ 11.85	$ .45	$ 12.30
MAY	$ 183.50	$ 29.50	$ 213.00	$ 6.50	$ .30	$ 6.80
JUN	$ 215.90	$ 15.20	$ 231.10	$ 25.35	$ 4.60	$ 29.95
JUL	$ 164.25	$ 35.30	$ 199.55	$ 28.95	$ .60	$ 29.55
AUG	$ 149.05	$ 16.50	$ 165.55	$ 10.05	$ 1.10	$ 11.15
SEP	$ 143.40	$ 22.35	$ 165.75	$ 29.80	$ .70	$ 30.50
OCT (P)	$ 168.15	$ 16.70	$ 184.85	$ 7.70	$ 1.15	$ 8.85
10 MONTHS	$ 1,804.20	$ 210.25	$ 2,014.45	$ 149.05	$ 13.40	$ 162.45

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1985	$ 1,652.15	$ 200.95	$ 1,853.10	1,243.30	$ 1,548.50	$ 193.75	$ 1,742.25
1986							
JAN	$ 124.75	$ 10.25	$ 135.00	1,286.80	$ 74.05	$ 17.45	$ 91.50
FEB	$ 160.65	$ 7.95	$ 168.60	1,331.50	$ 109.50	$ 14.40	$ 123.90
MAR	$ 146.05	$ 13.85	$ 159.90	1,319.85	$ 148.20	$ 23.35	$ 171.55
APR	$ 118.30	$ 17.85	$ 136.15	1,303.90	$ 140.05	$ 12.05	$ 152.10
MAY	$ 118.50	$ 23.20	$ 141.70	1,273.15	$ 153.10	$ 19.35	$ 172.45
JUN	$ 145.65	$ 11.15	$ 156.80	1,185.15	$ 226.70	$ 18.10	$ 244.80
JUL	$ 99.25	$ 29.55	$ 128.80	1,164.85	$ 135.90	$ 13.20	$ 149.10
AUG	$ 108.60	$ 6.50	$ 115.10	1,171.70	$ 92.50	$ 15.75	$ 108.25
SEP	$ 89.95	$ 10.20	$ 100.15	1,110.50	$ 140.80	$ 20.55	$ 161.35
OCT (P)	$ 115.50	$ 11.20	$ 126.70	1,052.00	$ 172.10	$ 13.10	$ 185.20
10 MONTHS	$ 1,227.20	$ 141.70	$ 1,368.90		$ 1,392.90	$ 167.30	$ 1,560.20

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1985	$ 1,769.20	$ 213.45	$ 1,982.65	$ 117.05	$ 12.50	$ 129.55
1986						
JAN	$ 129.30	$ 11.45	$ 140.75	$ 4.55	$ 1.20	$ 5.75
FEB	$ 165.70	$ 9.95	$ 175.65	$ 5.05	$ 2.00	$ 7.05
MAR	$ 150.55	$ 14.30	$ 164.85	$ 4.50	$ .45	$ 4.95
APR	$ 127.40	$ 18.25	$ 145.65	$ 9.10	$ .40	$ 9.50
MAY	$ 122.75	$ 23.45	$ 146.20	$ 4.25	$ .25	$ 4.50
JUN	$ 159.55	$ 11.95	$ 171.50	$ 13.90	$ .80	$ 14.70
JUL	$ 116.50	$ 30.10	$ 146.60	$ 17.25	$ .55	$ 17.80
AUG	$ 114.30	$ 7.55	$ 121.85	$ 5.70	$ 1.05	$ 6.75
SEP	$ 110.20	$ 10.85	$ 121.05	$ 20.25	$ .65	$ 20.90
OCT (P)	$ 122.30	$ 11.90	$ 134.20	$ 6.80	$ .70	$ 7.50
10 MONTHS	$ 1,318.55	$ 149.75	$ 1,468.30	$ 91.35	$ 8.05	$ 99.40

P - Preliminary

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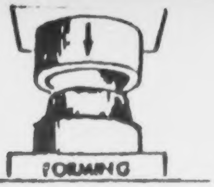


INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1985	$ 610.00	$ 65.00	$ 675.00	414.25	$ 742.95	$ 60.00	$ 802.95
1986							
JAN	$ 50.20	$ 5.55	$ 55.75	415.65	$ 50.80	$ 3.55	$ 54.35
FEB	$ 37.60	$ 4.20	$ 41.80	378.70	$ 76.15	$ 2.60	$ 78.75
MAR	$ 50.75	$ 3.95	$ 54.70	356.15	$ 71.10	$ 6.15	$ 77.25
APR	$ 50.95	$ 6.15	$ 57.10	355.80	$ 50.75	$ 6.70	$ 57.45
MAY	$ 58.50	$ 6.00	$ 64.50	363.20	$ 54.00	$ 3.10	$ 57.10
JUN	$ 44.90	$ -.55	$ 44.35	340.45	$ 62.30	$ 4.80	$ 67.10
JUL	$ 36.05	$ 5.15	$ 41.20	340.70	$ 36.60	$ 4.35	$ 40.95
AUG	$ 30.40	$ 8.90	$ 39.30	336.90	$ 39.05	$ 4.05	$ 43.10
SEP	$ 23.65	$ 11.45	$ 35.10	325.40	$ 40.30	$ 6.30	$ 46.60
OCT (P)	$ 44.95	$ 4.35	$ 49.30	315.20	$ 52.60	$ 6.90	$ 59.50
10 MONTHS	$ 427.95	$ 55.15	$ 483.10		$ 533.65	$ 48.50	$ 582.15

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1985	$ 664.10	$ 69.20	$ 733.30	$ 54.10	$ 4.20	$ 58.30
1986						
JAN	$ 51.35	$ 5.75	$ 57.10	$ 1.15	$ .20	$ 1.35
FEB	$ 49.15	$ 4.70	$ 53.85	$ 11.55	$ .50	$ 12.05
MAR	$ 52.80	$ 4.10	$ 56.90	$ 2.05	$ .15	$ 2.20
APR	$ 53.70	$ 6.20	$ 59.90	$ 2.75	$ .05	$ 2.80
MAY	$ 60.75	$ 6.05	$ 66.80	$ 2.25	$ .05	$ 2.30
JUN	$ 56.35	$ 3.25	$ 59.60	$ 11.45	$ 3.80	$ 15.25
JUL	$ 47.75	$ 5.20	$ 52.95	$ 11.70	$ .05	$ 11.75
AUG	$ 34.75	$ 8.95	$ 43.70	$ 4.35	$ .05	$ 4.40
SEP	$ 33.20	$ 11.50	$ 44.70	$ 9.55	$ .05	$ 9.60
OCT (P)	$ 45.85	$ 4.80	$ 50.65	$ .90	$ .45	$ 1.35
10 MONTHS	$ 485.65	$ 60.50	$ 546.15	$ 57.70	$ 5.35	$ 63.05

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS
(Dollar Figures in Thousands)
1981 to Date

	Cutting and Forming			Cutting			Forming		
	SHIPMENTS		NET	SHIPMENTS		NET	SHIPMENTS		NET
DATE	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS
1981-1	$1,288,200	$210,800	$ 920,350	$1,017,850	$155,600	$ 706,600	$ 270,350	$ 55,200	$ 213,750
2	1,367,500	236,350	867,000	1,103,400	185,450	661,200	264,100	50,900	205,800
3	1,133,950	127,950	593,450	920,300	99,950	455,250	213,650	28,000	138,200
4	1,305,950	143,850	564,050	1,062,950	111,050	405,050	243,000	32,800	159,000
Total	$5,095,600	$718,950	$2,944,850	$4,104,500	$552,050	$2,228,100	$ 991,100	$ 166,900	$ 716,750
1982-1	$1,154,200	$112,650	$ 506,800	$ 933,050	$ 71,750	$ 384,850	$ 221,150	$ 40,900	$ 121,950
2	1,008,450	96,600	382,650	810,650	75,350	274,750	197,800	21,250	107,900
3	783,400	107,200	279,950	640,450	89,750	183,450	142,950	17,450	96,500
4	658,350	89,600	328,350	510,600	59,300	221,400	147,750	30,300	106,950
Total	$3,604,400	$406,050	$1,497,750	$2,894,750	$296,150	$1,064,450	$ 709,650	$ 109,900	$ 433,300
1983-1	$ 487,450	$ 56,650	$ 314,850	$ 370,600	$ 40,800	$ 224,100	$ 116,850	$ 15,850	$ 90,750
2	469,650	58,300	399,100	357,500	49,300	269,300	112,150	9,000	129,800
3	357,050	42,900	468,150	252,350	32,200	322,200	104,700	10,700	145,950
4	530,900	57,150	514,050	391,050	49,600	336,050	139,850	7,550	178,000
Total	$1,845,050	$215,000	$1,696,150	$1,371,500	$171,900	$1,151,650	$ 473,550	$ 43,100	$ 544,500
1984-1	$ 449,500	$ 40,550	$ 600,450	$ 298,100	$ 25,100	$ 412,750	$ 151,400	$ 15,450	$ 187,700
2	572,300	50,700	764,400	401,800	28,250	499,200	170,500	22,450	265,200
3	568,850	41,850	800,200	401,550	24,300	493,000	167,300	17,550	307,200
4	695,200	60,150	750,750	505,050	45,000	510,850	190,150	15,150	239,900
Total	$2,285,850	$193,250	$2,915,800	$1,606,500	$122,650	$1,915,800	$ 679,350	$ 70,600	$1,000,000
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3P	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
Total	$1,897,650	$195,800	$1,676,000	$1,375,000	$154,200	$1,242,200	$ 522,650	$ 41,600	$ 433,800

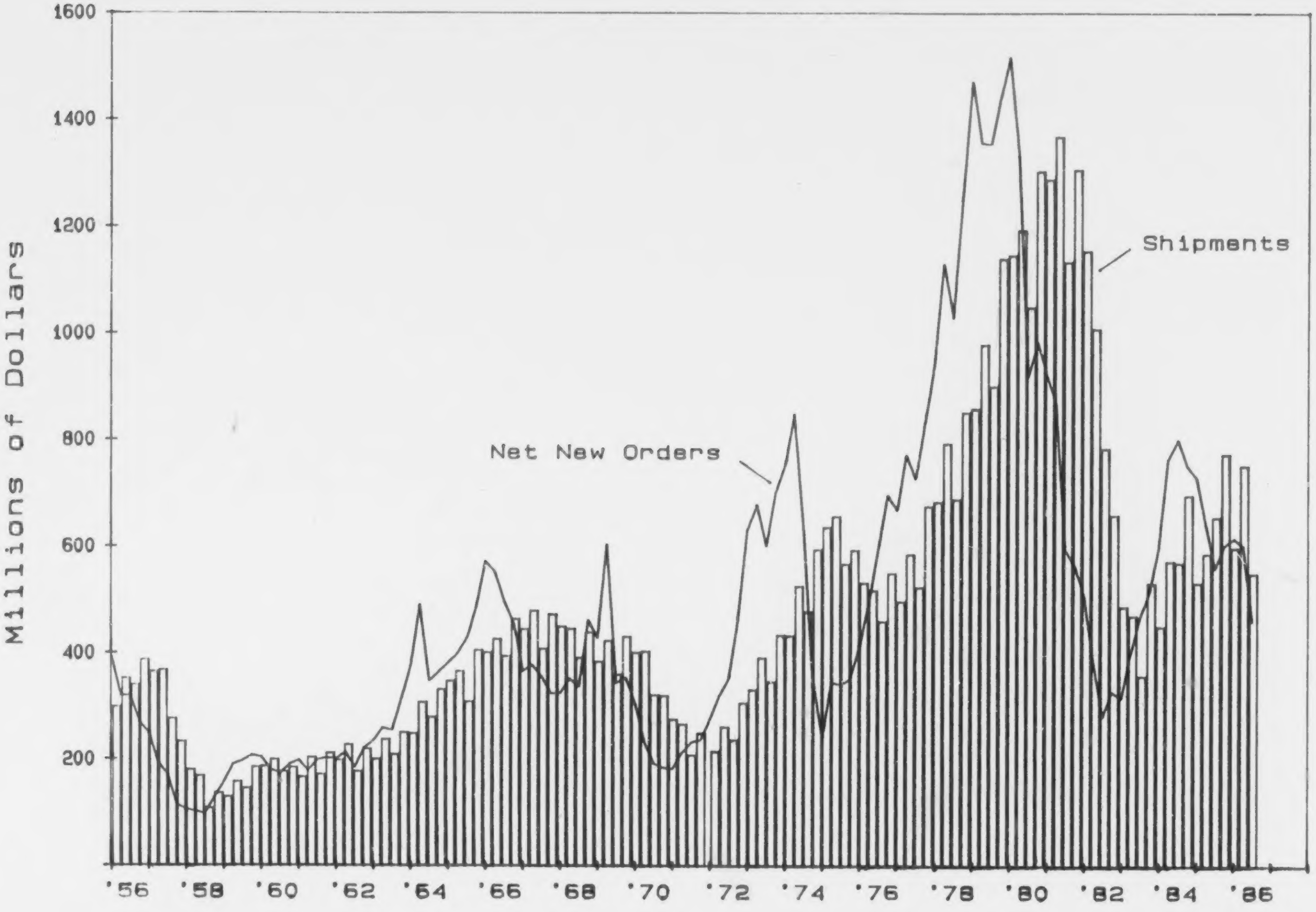
P - Preliminary

NOTE: These data series are available back to 1956. To obtain a copy of the tables for 1956 through 1986, contact:
NMTBA Statistical Department, 7901 Westpark Drive, McLean, Virginia 22102-4269. Phone: 703:893-2900

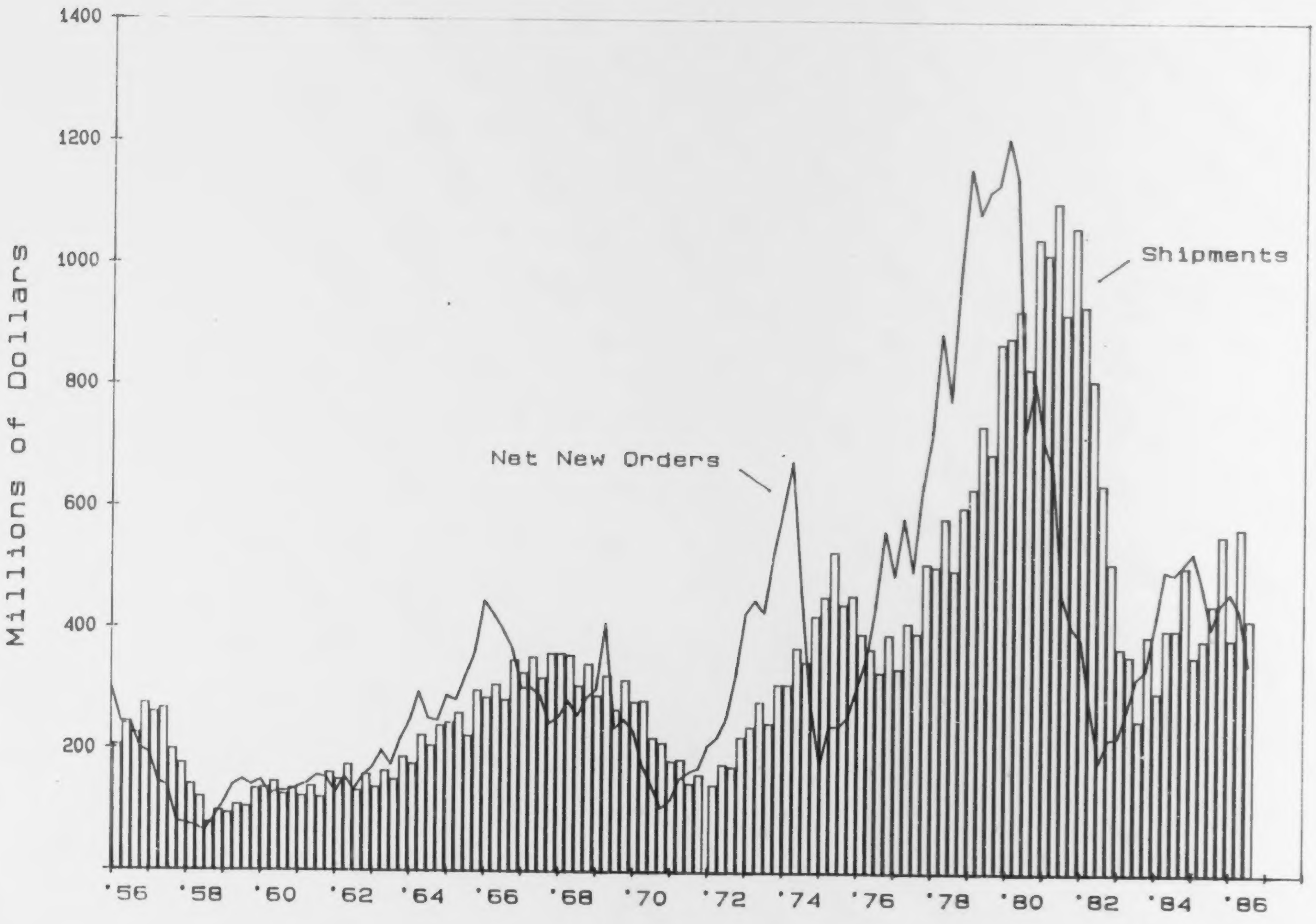
Source: National Machine Tool Builders' Association

November 24, 1986

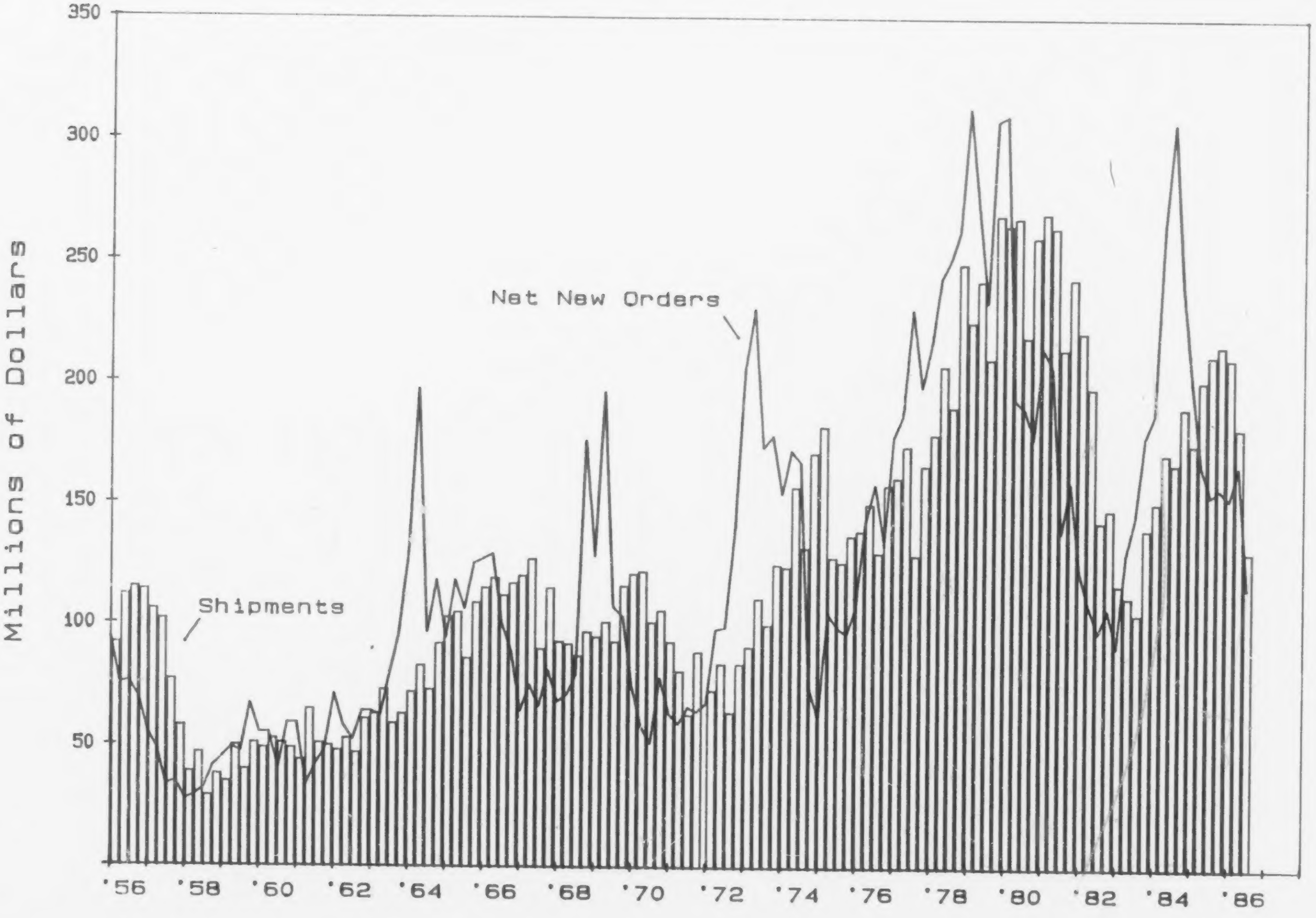
Total Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1986: 3



Metal Cutting Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1986: 3



Metal Forming Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1986: 3



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News Release

machine tool builders

FOR RELEASE: December 29, 1986
Contact: Charles Pollock
Michael Codel

MACHINE TOOL ORDERS FALL IN NOVEMBER

November machine tool orders were down 26.3% compared to October, dropping to $132.70 million from $180.15 million. Metal cutting machine tool orders fell 35.8%, to $83.95 million, while metal forming equipment orders fell 1.1% to $48.75 million.

Machine tool shipments for November stood at $166.80 million, a drop of 31.3% from the October's $242.80 million. This represents a 36.4% drop, to $116.70 million, in shipments of metal cutting equipment and a 15.5% drop, to $50.10 million, in shipments of metal forming equipment.

"We close out 1986 with a very mixed picture, capital spending plans for major industries remain unclear," said James A. Gray, president of the National Machine Tool Builders' Association. Looking toward the new year, he expressed, "particular optimism about the effects of the Voluntary Restraint Agreements signed in December by Taiwan and Japan. We are relieved that the Administration has recognized the threat to the national security caused by the transfer of more and more machine tool manufacturing capacity to other countries and the concurrent loss of manufacturing capacity here at home. With the erosion stayed, U.S. manufacturers will have the opportunity to rebuild." He noted that, recognizing the seriousness of the issue, the Administration has issued

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a Domestic Action Plan aimed at facilitating the recovery of the nation's machine tool industry and added, "The U.S. machine tool industry is ready and anxious to do its part in returning this nation to a position of industrial strength."

Combined orders for November were down 32.0% compared to the $195.10 million in combined orders for November 1985. Year-to-date order totals were also off, having fallen from $2,353.05 million in 1985 to $1,988.85 million in 1986, a 15.5% drop. Orders for metal cutting machine tools fell to $1,457.00 million for the year, a 16.1% drop; while orders for metal forming equipment fell to $531.85 million, a 13.7% drop.

November machine tool shipments were down 16.2% compared to the $199.15 million for November one year ago. Year-to-date shipment figures show a 6.3% rise, going from $2,170.85 million in 1985 to $2,307.25 million in 1986. Cumulative figures for 1986 show metal cutting machine tool shipments rising 15.2%, up to $1,675.20 million, and metal forming machine tool shipments falling 11.8%, down to $632.05 million.

Machine tool order backlogs for November fell to $1,339.15 million, down from the $1,373.25 million posted in October.

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COMPARISON CHART

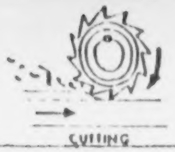
NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
NOV 1986	75.85	8.10	83.95	42.40	6.35	48.75	118.25	14.45	132.70
OCT 1986	114.95	15.90	130.85	44.45	4.85	49.30	159.40	20.75	180.15
% CHANGE NOV 1986:OCT 1986	-34.0	-49.1	-35.8	-4.6	+30.9	-1.1	-25.8	-30.4	-26.3
NOV 1985	162.70	8.85	171.55	20.95	2.60	23.55	183.65	11.45	195.10
% CHANGE NOV 1986:NOV 1985	-53.4	-8.5	-51.1	+102.4	+144.2	+107.0	-35.6	+26.2	-32.0
YEAR TO DATE 1986	1,302.50	154.50	1,457.00	469.85	62.00	531.85	1,772.35	216.50	1,988.85
YEAR TO DATE 1985	1,542.10	194.40	1,736.50	556.80	59.75	616.55	2,098.90	254.15	2,353.05
% CHANGE 1986 : 1985	-15.5	-20.5	-16.1	-15.6	+3.8	-13.7	-15.6	-14.8	-15.5

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
NOV 1986	104.30	12.40	116.70	44.80	5.30	50.10	149.10	17.70	166.80
OCT 1986	170.40	13.10	183.50	52.40	6.90	59.30	222.80	20.00	242.80
% CHANGE NOV 1986:OCT 1986	-38.8	-5.3	-36.4	-14.5	-23.2	-15.5	-33.1	-11.5	-31.3
NOV 1985	126.35	13.05	139.40	52.90	6.85	59.75	179.25	19.90	199.15
% CHANGE NOV 1986:NOV 1985	-17.5	-5.0	-16.3	-15.3	-22.6	-16.2	-16.8	-11.1	-16.2
YEAR TO DATE 1986	1,495.50	179.70	1,675.20	578.25	53.80	632.05	2,073.75	233.50	2,307.25
YEAR TO DATE 1985	1,324.95	129.45	1,454.40	660.45	56.00	716.45	1,985.40	185.45	2,170.85
% CHANGE 1986 : 1985	+12.9	+38.8	+15.2	-12.4	-3.9	-11.8	+4.4	+25.9	+6.3

Source: National Machine Tool Builders' Association



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1985	$ 2,262.15	$ 265.95	$ 2,528.10	1,657.55	$ 2,291.45	$ 253.75	$ 2,545.20
1986							
JAN	$ 174.95	$ 15.80	$ 190.75	1,702.45	$ 124.85	$ 21.00	$ 145.85
FEB	$ 198.25	$ 12.15	$ 210.40	1,710.20	$ 185.65	$ 17.00	$ 202.65
MAR	$ 196.80	$ 17.80	$ 214.60	1,676.00	$ 219.30	$ 29.50	$ 248.80
APR	$ 169.25	$ 24.00	$ 193.25	1,659.70	$ 190.80	$ 18.75	$ 209.55
MAY	$ 177.00	$ 29.20	$ 206.20	1,636.35	$ 207.10	$ 22.45	$ 229.55
JUN	$ 190.55	$ 10.60	$ 201.15	1,525.60	$ 289.00	$ 22.90	$ 311.90
JUL	$ 135.30	$ 34.70	$ 170.00	1,505.55	$ 172.50	$ 17.55	$ 190.05
AUG	$ 139.00	$ 15.40	$ 154.40	1,508.60	$ 131.55	$ 19.80	$ 151.35
SEP	$ 113.60	$ 21.65	$ 135.25	1,435.90	$ 181.10	$ 26.85	$ 207.95
OCT	$ 159.40	$ 20.75	$ 180.15	1,373.25	$ 222.80	$ 20.00	$ 242.80
NOV (P)	$ 118.25	$ 14.45	$ 132.70	1,339.15	$ 149.10	$ 17.70	$ 166.80
11 MONTHS	$ 1,772.35	$ 216.50	$ 1,988.85		$ 2,073.75	$ 233.50	$ 2,307.25

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1985	$ 2,433.30	$ 282.65	$ 2,715.95	$ 171.15	$ 16.70	$ 187.85
1986						
JAN	$ 180.65	$ 17.20	$ 197.85	$ 5.70	$ 1.40	$ 7.10
FEB	$ 214.85	$ 14.65	$ 229.50	$ 16.60	$ 2.50	$ 19.10
MAR	$ 203.35	$ 18.40	$ 221.75	$ 6.55	$ .60	$ 7.15
APR	$ 181.10	$ 24.45	$ 205.55	$ 11.85	$ .45	$ 12.30
MAY	$ 183.50	$ 29.50	$ 213.00	$ 6.50	$ .30	$ 6.80
JUN	$ 215.90	$ 15.20	$ 231.10	$ 25.35	$ 4.60	$ 29.95
JUL	$ 164.25	$ 35.30	$ 199.55	$ 28.95	$ .60	$ 29.55
AUG	$ 149.05	$ 16.50	$ 165.55	$ 10.05	$ 1.10	$ 11.15
SEP	$ 143.40	$ 22.35	$ 165.75	$ 29.80	$ .70	$ 30.50
OCT	$ 167.65	$ 21.90	$ 189.55	$ 8.25	$ 1.15	$ 9.40
NOV (P)	$ 127.40	$ 15.10	$ 142.50	$ 9.15	$ .65	$ 9.80
11 MONTHS	$ 1,931.10	$ 230.55	$ 2,161.65	$ 158.75	$ 14.05	$ 172.80

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

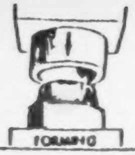
	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1985	$ 1,652.15	$ 200.95	$ 1,853.10	1,243.30	$ 1,548.50	$ 193.75	$ 1,742.25
1986							
JAN	$ 124.75	$ 10.25	$ 135.00	1,286.80	$ 74.05	$ 17.45	$ 91.50
FEB	$ 160.65	$ 7.95	$ 168.60	1,331.50	$ 109.50	$ 14.40	$ 123.90
MAR	$ 146.05	$ 13.85	$ 159.90	1,319.85	$ 148.20	$ 23.35	$ 171.55
APR	$ 118.30	$ 17.85	$ 136.15	1,303.90	$ 140.05	$ 12.05	$ 152.10
MAY	$ 118.50	$ 23.20	$ 141.70	1,273.15	$ 153.10	$ 19.35	$ 172.45
JUN	$ 145.65	$ 11.15	$ 156.80	1,185.15	$ 226.70	$ 18.10	$ 244.80
JUL	$ 99.25	$ 29.55	$ 128.80	1,164.85	$ 135.90	$ 13.20	$ 149.10
AUG	$ 108.60	$ 6.50	$ 115.10	1,171.70	$ 92.50	$ 15.75	$ 108.25
SEP	$ 89.95	$ 10.20	$ 100.15	1,110.50	$ 140.80	$ 20.55	$ 161.35
OCT	$ 114.95	$ 15.90	$ 130.85	1,057.85	$ 170.40	$ 13.10	$ 183.50
NOV (P)	$ 75.85	$ 8.10	$ 83.95	1,025.10	$ 104.30	$ 12.40	$ 116.70
11 MONTHS	$ 1,302.50	$ 154.50	$ 1,457.00		$ 1,495.50	$ 179.70	$ 1,675.20

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1985	$ 1,769.20	$ 213.45	$ 1,982.65	$ 117.05	$ 12.50	$ 129.55
1986						
JAN	$ 129.30	$ 11.45	$ 140.75	$ 4.55	$ 1.20	$ 5.75
FEB	$ 165.70	$ 9.95	$ 175.65	$ 5.05	$ 2.00	$ 7.05
MAR	$ 150.55	$ 14.30	$ 164.85	$ 4.50	$ .45	$ 4.95
APR	$ 127.40	$ 18.25	$ 145.65	$ 9.10	$ .40	$ 9.50
MAY	$ 122.75	$ 23.45	$ 146.20	$ 4.25	$ .25	$ 4.50
JUN	$ 159.55	$ 11.95	$ 171.50	$ 13.90	$ .80	$ 14.70
JUL	$ 116.50	$ 30.10	$ 146.60	$ 17.25	$ .55	$ 17.80
AUG	$ 114.30	$ 7.55	$ 121.85	$ 5.70	$ 1.05	$ 6.75
SEP	$ 110.20	$ 10.85	$ 121.05	$ 20.25	$ .65	$ 20.90
OCT	$ 121.75	$ 16.60	$ 138.35	$ 6.80	$ .70	$ 7.50
NOV (P)	$ 83.95	$ 8.20	$ 92.15	$ 8.10	$ .10	$ 8.20
11 MONTHS	$ 1,401.95	$ 162.65	$ 1,564.60	$ 99.45	$ 8.15	$ 107.60

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)



DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1985	$ 610.00	$ 65.00	$ 675.00	414.25	$ 742.95	$ 60.00	$ 802.95
1986							
JAN	$ 50.20	$ 5.55	$ 55.75	415.65	$ 50.80	$ 3.55	$ 54.35
FEB	$ 37.60	$ 4.20	$ 41.80	378.70	$ 76.15	$ 2.60	$ 78.75
MAR	$ 50.75	$ 3.95	$ 54.70	356.15	$ 71.10	$ 6.15	$ 77.25
APR	$ 50.95	$ 6.15	$ 57.10	355.80	$ 50.75	$ 6.70	$ 57.45
MAY	$ 58.50	$ 6.00	$ 64.50	363.20	$ 54.00	$ 3.10	$ 57.10
JUN	$ 44.90	$ -.55	$ 44.35	340.45	$ 62.30	$ 4.80	$ 67.10
JUL	$ 36.05	$ 5.15	$ 41.20	340.70	$ 36.60	$ 4.35	$ 40.95
AUG	$ 30.40	$ 8.90	$ 39.30	336.90	$ 39.05	$ 4.05	$ 43.10
SEP	$ 23.65	$ 11.45	$ 35.10	325.40	$ 40.30	$ 6.30	$ 46.60
OCT	$ 44.45	$ 4.85	$ 49.30	315.40	$ 52.40	$ 6.90	$ 59.30
NOV (P)	$ 42.40	$ 6.35	$ 48.75	314.05	$ 44.80	$ 5.30	$ 50.10
11 MONTHS	$ 469.85	$ 62.00	$ 531.85		$ 578.25	$ 53.80	$ 632.05

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1985	$ 664.10	$ 69.20	$ 733.30	$ 54.10	$ 4.20	$ 58.30
1986						
JAN	$ 51.35	$ 5.75	$ 57.10	$ 1.15	$ .20	$ 1.35
FEB	$ 49.15	$ 4.70	$ 53.85	$ 11.55	$ .50	$ 12.05
MAR	$ 52.80	$ 4.10	$ 56.90	$ 2.05	$ .15	$ 2.20
APR	$ 53.70	$ 6.20	$ 59.90	$ 2.75	$ .05	$ 2.80
MAY	$ 60.75	$ 6.05	$ 66.80	$ 2.25	$ .05	$ 2.30
JUN	$ 56.35	$ 3.25	$ 59.60	$ 11.45	$ 3.80	$ 15.25
JUL	$ 47.75	$ 5.20	$ 52.95	$ 11.70	$ .05	$ 11.75
AUG	$ 34.75	$ 8.95	$ 43.70	$ 4.35	$ .05	$ 4.40
SEP	$ 33.20	$ 11.50	$ 44.70	$ 9.55	$ .05	$ 9.60
OCT	$ 45.90	$ 5.30	$ 51.20	$ 1.45	$ .45	$ 1.90
NOV (P)	$ 43.45	$ 6.90	$ 50.35	$ 1.05	$ .55	$ 1.60
11 MONTHS	$ 529.15	$ 67.90	$ 597.05	$ 59.30	$ 5.90	$ 65.20

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

1/27/87 A8050-1

News Release

national
machine
tool builders

FOR RELEASE: January 26, 1987
Contact: Charles Pollock
Michael Codel

MACHINE TOOL ORDERS DROP IN 1986

Machine tool orders fell from a total of $2,528.10 million in 1985 to a total of $2,124.80 million in 1986, a 16.0% drop. Metal cutting machine tool orders fell 16.7% for the year while metal forming equipment orders fell 13.9%. At $136.05 million, total orders for December 1986 were 22.3% below the $175.05 million posted in December 1985, reflecting a 25.6% drop in metal cutting orders and a 15.7% drop in metal forming orders.

In 1986 machine tool shipments rose 1.3% to $2,579.20 million, compared to $2,545.20 million for 1985. This figure represents an 8.5% rise in metal cutting machine tool shipments and a 14.3% drop in metal forming machine tool shipments. December 1986 shipments of $271.95 million reflect a 27.4% drop from the $374.35 million for December 1985. Comparing December 1986 to December 1985, shipments of both metal cutting and metal forming equipment dropped with losses of 25.1% and 35.0% respectively.

James A. Gray, NMTBA president, noted that he had warned a year ago that the tax reform bill then being proposed by the Administration would cause "severe distortion to capital spending through unrealistic depreciation schedules and repeal of the Investment Tax Credit."

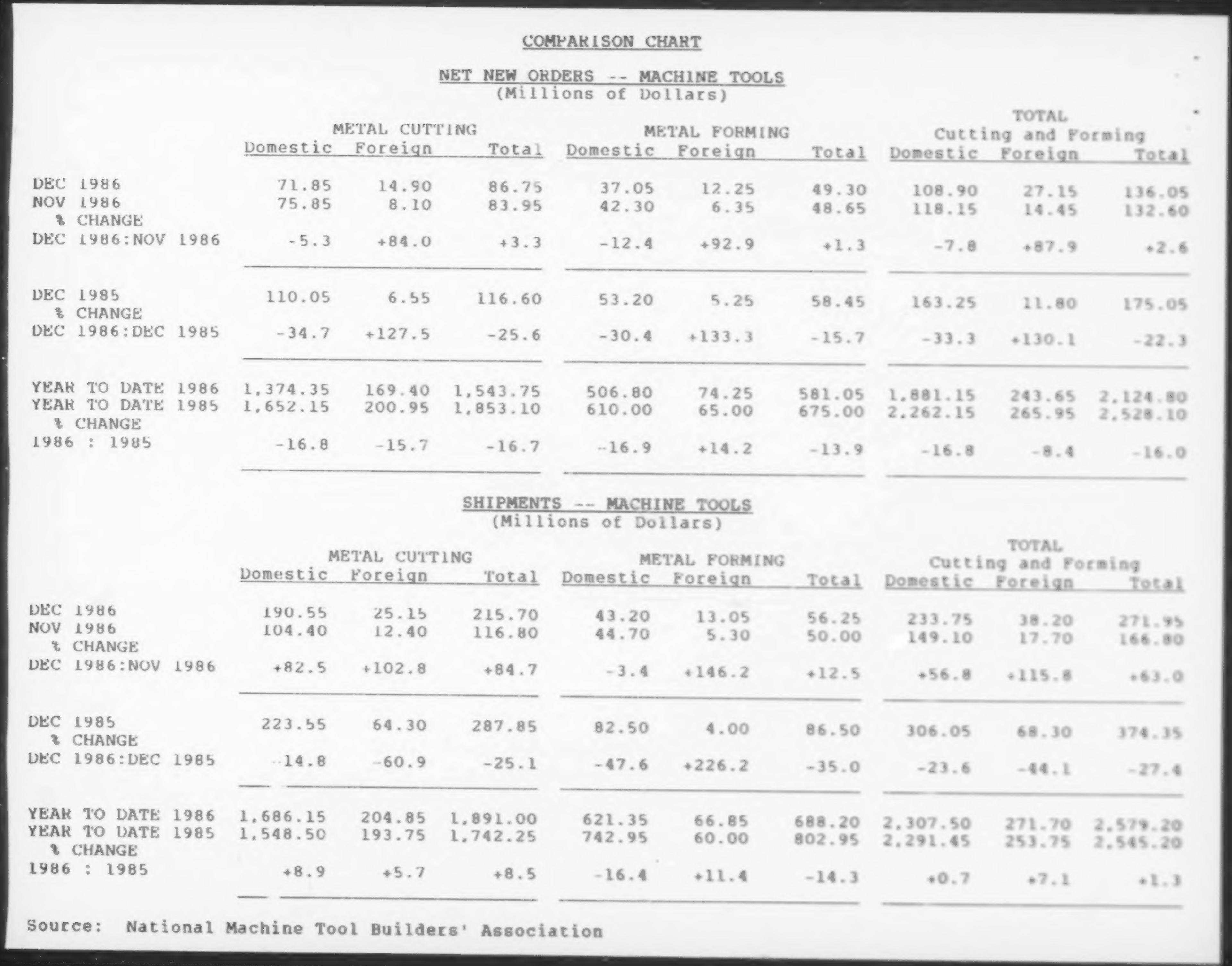
(MORE)

He went on to say, "Unfortunately, we are already beginning to see the harmful effects of this short-sighted tax bill. The manufacturing industries waited and worried through 1986, only to see their worst fears realized with passage of a tax reform bill that discourages investment. We hope that, as the negative results of eliminating investment incentives become more clear, the need to reinstate tax provisions that encourage growth will also become more clear."

Comparing December 1986 to November 1986, metal cutting machine tool orders rose 3.3% and metal forming machine tool orders rose 1.3%. The same month-to-month comparison shows an 84.7% rise in shipments of metal cutting machine tools and a 12.5% rise in shipments of metal forming machine tools. The sharp rise in shipments for December is normal as manufacturers clear out their inventories at the end of the year.

Machine tool order backlogs for December fell to $1,203.15 million, down from November's figure of $1,339.05 million.

# # #



COMPARISON CHART

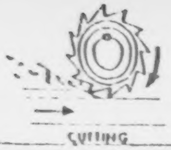
NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
DEC 1986	71.85	14.90	86.75	37.05	12.25	49.30	108.90	27.15	136.05
NOV 1986	75.85	8.10	83.95	42.30	6.35	48.65	118.15	14.45	132.60
% CHANGE DEC 1986:NOV 1986	-5.3	+84.0	+3.3	-12.4	+92.9	+1.3	-7.8	+87.9	+2.6
DEC 1985	110.05	6.55	116.60	53.20	5.25	58.45	163.25	11.80	175.05
% CHANGE DEC 1986:DEC 1985	-34.7	+127.5	-25.6	-30.4	+133.3	-15.7	-33.3	+130.1	-22.3
YEAR TO DATE 1986	1,374.35	169.40	1,543.75	506.80	74.25	581.05	1,881.15	243.65	2,124.80
YEAR TO DATE 1985	1,652.15	200.95	1,853.10	610.00	65.00	675.00	2,262.15	265.95	2,528.10
% CHANGE 1986 : 1985	-16.8	-15.7	-16.7	-16.9	+14.2	-13.9	-16.8	-8.4	-16.0

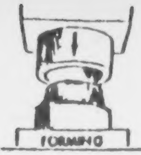
SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
DEC 1986	190.55	25.15	215.70	43.20	13.05	56.25	233.75	38.20	271.95
NOV 1986	104.40	12.40	116.80	44.70	5.30	50.00	149.10	17.70	166.80
% CHANGE DEC 1986:NOV 1986	+82.5	+102.8	+84.7	-3.4	+146.2	+12.5	+56.8	+115.8	+63.0
DEC 1985	223.55	64.30	287.85	82.50	4.00	86.50	306.05	68.30	374.35
% CHANGE DEC 1986:DEC 1985	-14.8	-60.9	-25.1	-47.6	+226.2	-35.0	-23.6	-44.1	-27.4
YEAR TO DATE 1986	1,686.15	204.85	1,891.00	621.35	66.85	688.20	2,307.50	271.70	2,579.20
YEAR TO DATE 1985	1,548.50	193.75	1,742.25	742.95	60.00	802.95	2,291.45	253.75	2,545.20
% CHANGE 1986 : 1985	+8.9	+5.7	+8.5	-16.4	+11.4	-14.3	+0.7	+7.1	+1.3

Source: National Machine Tool Builders' Association



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)



DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1985	$ 2,262.15	$ 265.95	$ 2,528.10	1,657.55	$ 2,291.45	$ 253.75	$ 2,545.20
1986							
JAN	$ 174.95	$ 15.80	$ 190.75	1,702.45	$ 124.85	$ 21.00	$ 145.85
FEB	$ 198.25	$ 12.15	$ 210.40	1,710.20	$ 185.65	$ 17.00	$ 202.65
MAR	$ 196.80	$ 17.80	$ 214.60	1,676.00	$ 219.30	$ 29.50	$ 248.80
APR	$ 169.25	$ 24.00	$ 193.25	1,659.70	$ 190.80	$ 18.75	$ 209.55
MAY	$ 177.00	$ 29.20	$ 206.20	1,636.35	$ 207.10	$ 22.45	$ 229.55
JUN	$ 190.55	$ 10.60	$ 201.15	1,525.60	$ 289.00	$ 22.90	$ 311.90
JUL	$ 135.30	$ 34.70	$ 170.00	1,505.55	$ 172.50	$ 17.55	$ 190.05
AUG	$ 139.00	$ 15.40	$ 154.40	1,508.60	$ 131.55	$ 19.80	$ 151.35
SEP	$ 113.60	$ 21.65	$ 135.25	1,435.90	$ 181.10	$ 26.85	$ 207.95
OCT	$ 159.40	$ 20.75	$ 180.15	1,373.25	$ 222.80	$ 20.00	$ 242.80
NOV	$ 118.15	$ 14.45	$ 132.60	1,339.05	$ 149.10	$ 17.70	$ 166.80
DEC (P)	$ 108.90	$ 27.15	$ 136.05	1,203.15	$ 233.75	$ 38.20	$ 271.95
12 MONTHS	$ 1,881.15	$ 243.65	$ 2,124.80		$ 2,307.50	$ 271.70	$ 2,579.20

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1985	$ 2,433.30	$ 282.65	$ 2,715.95	$ 171.15	$ 16.70	$ 187.85
1986						
JAN	$ 180.65	$ 17.20	$ 197.85	$ 5.70	$ 1.40	$ 7.10
FEB	$ 214.85	$ 14.65	$ 229.50	$ 16.60	$ 2.50	$ 19.10
MAR	$ 203.35	$ 18.40	$ 221.75	$ 6.55	$ .60	$ 7.15
APR	$ 181.10	$ 24.45	$ 205.55	$ 11.85	$ .45	$ 12.30
MAY	$ 183.50	$ 29.50	$ 213.00	$ 6.50	$ .30	$ 6.80
JUN	$ 215.90	$ 15.20	$ 231.10	$ 25.35	$ 4.60	$ 29.95
JUL	$ 164.25	$ 35.30	$ 199.55	$ 28.95	$ .60	$ 29.55
AUG	$ 149.05	$ 16.50	$ 165.55	$ 10.05	$ 1.10	$ 11.15
SEP	$ 143.40	$ 22.35	$ 165.75	$ 29.80	$ .70	$ 30.50
OCT	$ 167.65	$ 21.90	$ 189.55	$ 8.25	$ 1.15	$ 9.40
NOV	$ 127.30	$ 15.10	$ 142.40	$ 9.15	$ .65	$ 9.80
DEC (P)	$ 132.35	$ 27.90	$ 160.25	$ 23.45	$ .75	$ 24.20
12 MONTHS	$ 2,063.35	$ 258.45	$ 2,321.80	$ 182.20	$ 14.80	$ 197.00

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1985	$ 1,652.15	$ 200.95	$ 1,853.10	1,243.30	$ 1,548.50	$ 193.75	$ 1,742.25
1986							
JAN	$ 124.75	$ 10.25	$ 135.00	1,286.80	$ 74.05	$ 17.45	$ 91.50
FEB	$ 160.65	$ 7.95	$ 168.60	1,331.50	$ 109.50	$ 14.40	$ 123.90
MAR	$ 146.05	$ 13.85	$ 159.90	1,319.85	$ 148.20	$ 23.35	$ 171.55
APR	$ 118.30	$ 17.85	$ 136.15	1,303.90	$ 140.05	$ 12.05	$ 152.10
MAY	$ 118.50	$ 23.20	$ 141.70	1,273.15	$ 153.10	$ 19.35	$ 172.45
JUN	$ 145.65	$ 11.15	$ 156.80	1,185.15	$ 226.70	$ 18.10	$ 244.80
JUL	$ 99.25	$ 29.55	$ 128.80	1,164.85	$ 135.90	$ 13.20	$ 149.10
AUG	$ 108.60	$ 6.50	$ 115.10	1,171.70	$ 92.50	$ 15.75	$ 108.25
SEP	$ 89.95	$ 10.20	$ 100.15	1,110.50	$ 140.80	$ 20.55	$ 161.35
OCT	$ 114.95	$ 15.90	$ 130.85	1,057.85	$ 170.40	$ 13.10	$ 183.50
NOV	$ 75.85	$ 8.10	$ 83.95	1,025.00	$ 104.40	$ 12.40	$ 116.80
DEC (P)	$ 71.85	$ 14.90	$ 86.75	896.05	$ 190.55	$ 25.15	$ 215.70
12 MONTHS	$ 1,374.35	$ 169.40	$ 1,543.75		$ 1,686.15	$ 204.85	$ 1,891.00

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1985	$ 1,769.20	$ 213.45	$ 1,982.65	$ 117.05	$ 12.50	$ 129.55
1986						
JAN	$ 129.30	$ 11.45	$ 140.75	$ 4.55	$ 1.20	$ 5.75
FEB	$ 165.70	$ 9.95	$ 175.65	$ 5.05	$ 2.00	$ 7.05
MAR	$ 150.55	$ 14.30	$ 164.85	$ 4.50	$ .45	$ 4.95
APR	$ 127.40	$ 18.25	$ 145.65	$ 9.10	$ .40	$ 9.50
MAY	$ 122.75	$ 23.45	$ 146.20	$ 4.25	$ .25	$ 4.50
JUN	$ 159.55	$ 11.95	$ 171.50	$ 13.90	$ .80	$ 14.70
JUL	$ 116.50	$ 30.10	$ 146.60	$ 17.25	$ .55	$ 17.80
AUG	$ 114.30	$ 7.55	$ 121.85	$ 5.70	$ 1.05	$ 6.75
SEP	$ 110.20	$ 10.85	$ 121.05	$ 20.25	$ .65	$ 20.90
OCT	$ 121.75	$ 16.60	$ 138.35	$ 6.80	$ .70	$ 7.50
NOV	$ 83.95	$ 8.20	$ 92.15	$ 8.10	$ .10	$ 8.20
DEC (P)	$ 94.80	$ 14.95	$ 109.75	$ 22.95	$ .05	$ 23.00
12 MONTHS	$ 1,496.75	$ 177.60	$ 1,674.35	$ 122.40	$ 8.20	$ 130.60

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	 Foreign	 Total	Order Backlog	SHIPMENTS Domestic	 Foreign	 Total
1985	$ 610.00	$ 65.00	$ 675.00	414.25	$ 742.95	$ 60.00	$ 802.95
1986							
JAN	$ 50.20	$ 5.55	$ 55.75	415.65	$ 50.80	$ 3.55	$ 54.35
FEB	$ 37.60	$ 4.20	$ 41.80	378.70	$ 76.15	$ 2.60	$ 78.75
MAR	$ 50.75	$ 3.95	$ 54.70	356.15	$ 71.10	$ 6.15	$ 77.25
APR	$ 50.95	$ 6.15	$ 57.10	355.80	$ 50.75	$ 6.70	$ 57.45
MAY	$ 58.50	$ 6.00	$ 64.50	363.20	$ 54.00	$ 3.10	$ 57.10
JUN	$ 44.90	$ -.55	$ 44.35	340.45	$ 62.30	$ 4.80	$ 67.10
JUL	$ 36.05	$ 5.15	$ 41.20	340.70	$ 36.60	$ 4.35	$ 40.95
AUG	$ 30.40	$ 8.90	$ 39.30	336.90	$ 39.05	$ 4.05	$ 43.10
SEP	$ 23.65	$ 11.45	$ 35.10	325.40	$ 40.30	$ 6.30	$ 46.60
OCT	$ 44.45	$ 4.85	$ 49.30	315.40	$ 52.40	$ 6.90	$ 59.30
NOV	$ 42.30	$ 6.35	$ 48.65	314.05	$ 44.70	$ 5.30	$ 50.00
DEC (P)	$ 37.05	$ 12.25	$ 49.30	307.10	$ 43.20	$ 13.05	$ 56.25
12 MONTHS	$ 506.80	$ 74.25	$ 581.05		$ 621.35	$ 66.85	$ 688.20

DATE	GROSS NEW ORDERS Domestic	 Foreign	 Total	CANCELLATIONS Domestic	 Foreign	 Total
1985	$ 664.10	$ 69.20	$ 733.30	$ 54.10	$ 4.20	$ 58.30
1986						
JAN	$ 51.35	$ 5.75	$ 57.10	$ 1.15	$ .20	$ 1.35
FEB	$ 49.15	$ 4.70	$ 53.85	$ 11.55	$ .50	$ 12.05
MAR	$ 52.80	$ 4.10	$ 56.90	$ 2.05	$ .15	$ 2.20
APR	$ 53.70	$ 6.20	$ 59.90	$ 2.75	$ .05	$ 2.80
MAY	$ 60.75	$ 6.05	$ 66.80	$ 2.25	$ .05	$ 2.30
JUN	$ 56.35	$ 3.25	$ 59.60	$ 11.45	$ 3.80	$ 15.25
JUL	$ 47.75	$ 5.20	$ 52.95	$ 11.70	$ .05	$ 11.75
AUG	$ 34.75	$ 8.95	$ 43.70	$ 4.35	$ .05	$ 4.40
SEP	$ 33.20	$ 11.50	$ 44.70	$ 9.55	$ .05	$ 9.60
OCT	$ 45.90	$ 5.30	$ 51.20	$ 1.45	$ .45	$ 1.90
NOV	$ 43.35	$ 6.90	$ 50.25	$ 1.05	$ .55	$ 1.60
DEC (P)	$ 37.55	$ 12.95	$ 50.50	$ .50	$ .70	$ 1.20
12 MONTHS	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS
(Dollar Figures in Thousands)
1981 to Date

	Cutting and Forming			Cutting			Forming		
	SHIPMENTS		NET	SHIPMENTS		NET	SHIPMENTS		NET
DATE	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS
1981 1	$1,288,200	$210,800	$ 920,350	$1,017,850	$155,600	$ 706,600	$ 270,350	$ 55,200	$ 213,750
2	1,367,500	236,350	867,000	1,103,400	185,450	661,200	264,100	50,900	205,800
3	1,133,950	127,950	593,450	920,300	99,950	455,250	213,650	28,000	138,200
4	1,305,950	143,850	564,050	1,062,950	111,050	405,050	243,000	32,800	159,000
Total	$5,095,600	$718,950	$2,944,850	$4,104,500	$552,050	$2,228,100	$ 991,100	$ 166,900	$ 716,750
1982 1	$1,154,200	$112,650	$ 506,800	$ 933,050	$ 71,750	$ 384,850	$ 221,150	$ 40,900	$ 121,950
2	1,008,450	96,600	382,650	810,650	75,350	274,750	197,800	21,250	107,900
3	783,400	107,200	279,950	640,450	89,750	183,450	142,950	17,450	96,500
4	658,350	89,600	328,350	510,600	59,300	221,400	147,750	30,300	106,950
Total	$3,604,400	$406,050	$1,497,750	$2,894,750	$296,150	$1,064,450	$ 709,650	$ 109,900	$ 433,300
1983-1	$ 487,450	$ 56,650	$ 314,850	$ 370,600	$ 40,800	$ 224,100	$ 116,850	$ 15,850	$ 90,750
2	469,650	58,300	399,100	357,500	49,300	269,300	112,150	9,000	129,800
3	357,050	42,900	468,150	252,350	32,200	322,200	104,700	10,700	145,950
4	530,900	57,150	514,050	391,050	49,600	336,050	139,850	7,550	178,000
Total	$1,845,050	$215,000	$1,696,150	$1,371,500	$171,900	$1,151,650	$ 473,550	$ 43,100	$ 544,500
1984-1	$ 449,500	$ 40,550	$ 600,450	$ 298,100	$ 25,100	$ 412,750	$ 151,400	$ 15,450	$ 187,700
2	572,300	50,700	764,400	401,800	28,250	499,200	170,500	22,450	265,200
3	568,850	41,850	800,200	401,550	24,300	493,000	167,300	17,550	307,200
4	695,200	60,150	750,750	505,050	45,000	510,850	190,150	15,150	239,900
Total	$2,285,850	$193,250	$2,915,800	$1,606,500	$122,650	$1,915,800	$ 679,350	$ 70,600	$1,000,000
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4P	681,550	75,900	448,800	516,000	50,650	301,550	165,550	25,250	147,250
Total	$2,579,200	$271,700	$2,124,800	$1,891,000	$204,850	$1,543,750	$ 688,200	$ 66,850	$ 581,050

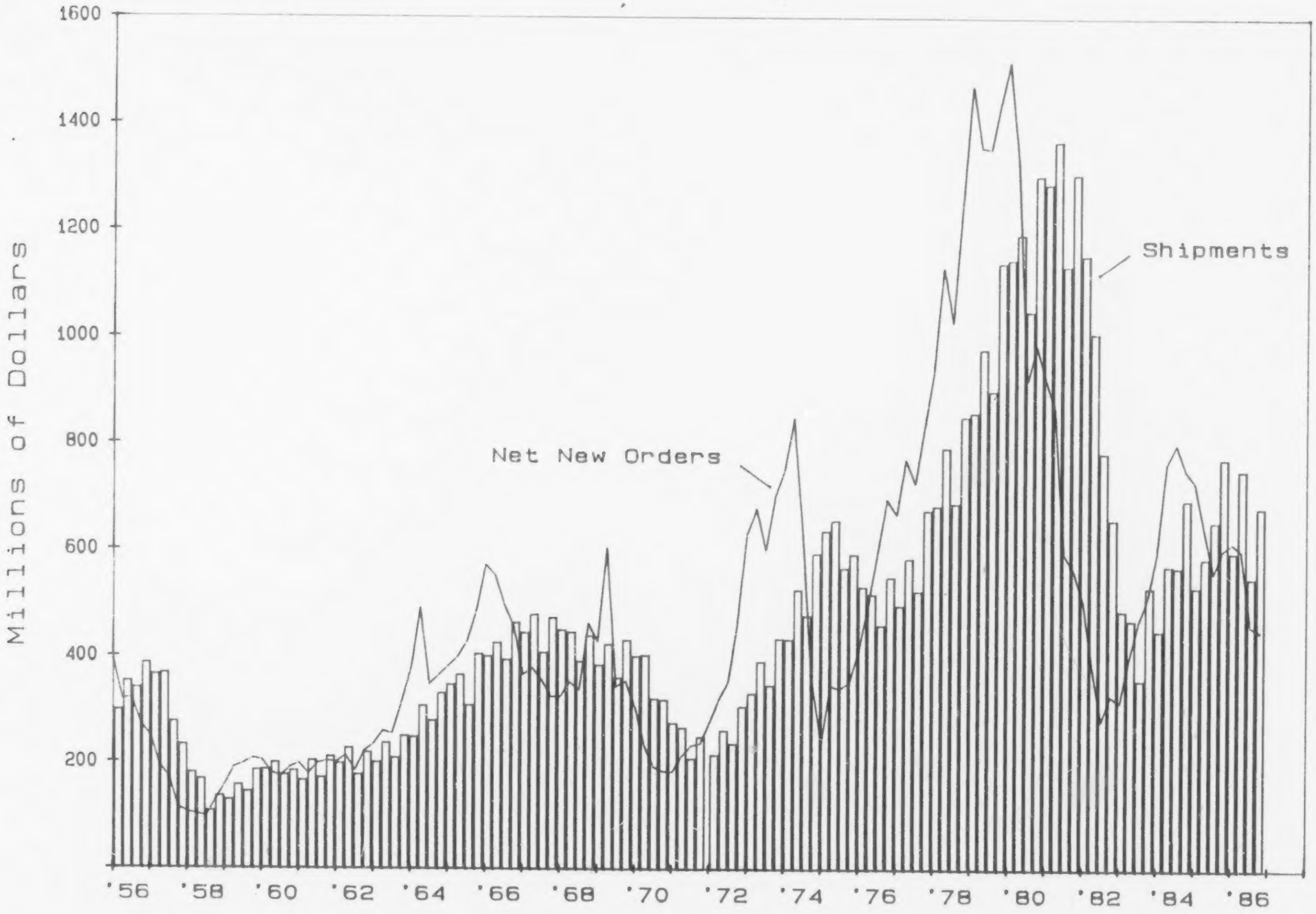
P - Preliminary

NOTE: These data series are available back to 1956. To obtain a copy of the tables for 1956 through 1986, contact:
NMTBA Statistical Department, 7901 Westpark Drive, McLean, Virginia 22102 4269. Phone: 703:893 2900

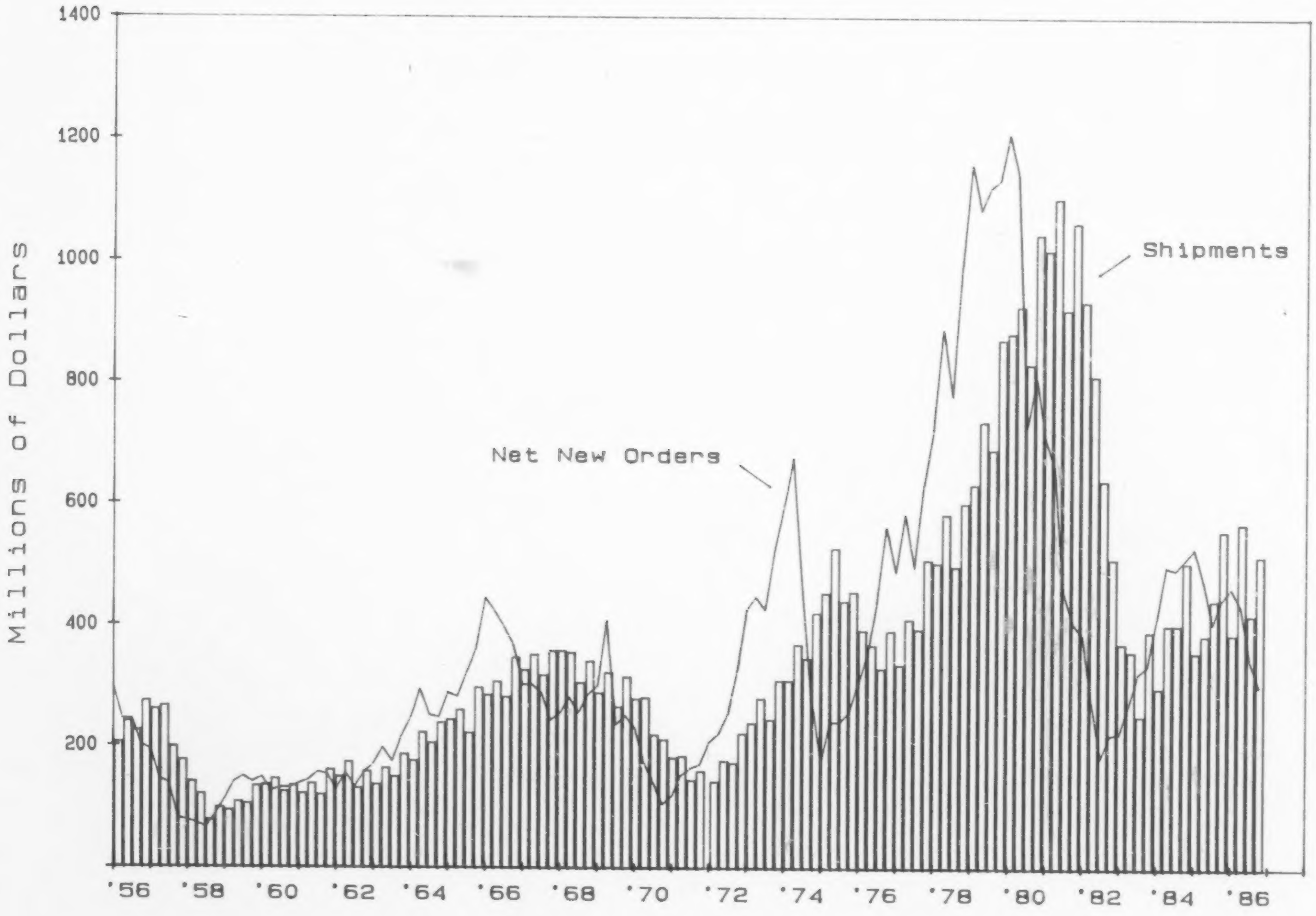
Source: National Machine Tool Builders' Association

January 26, 1987

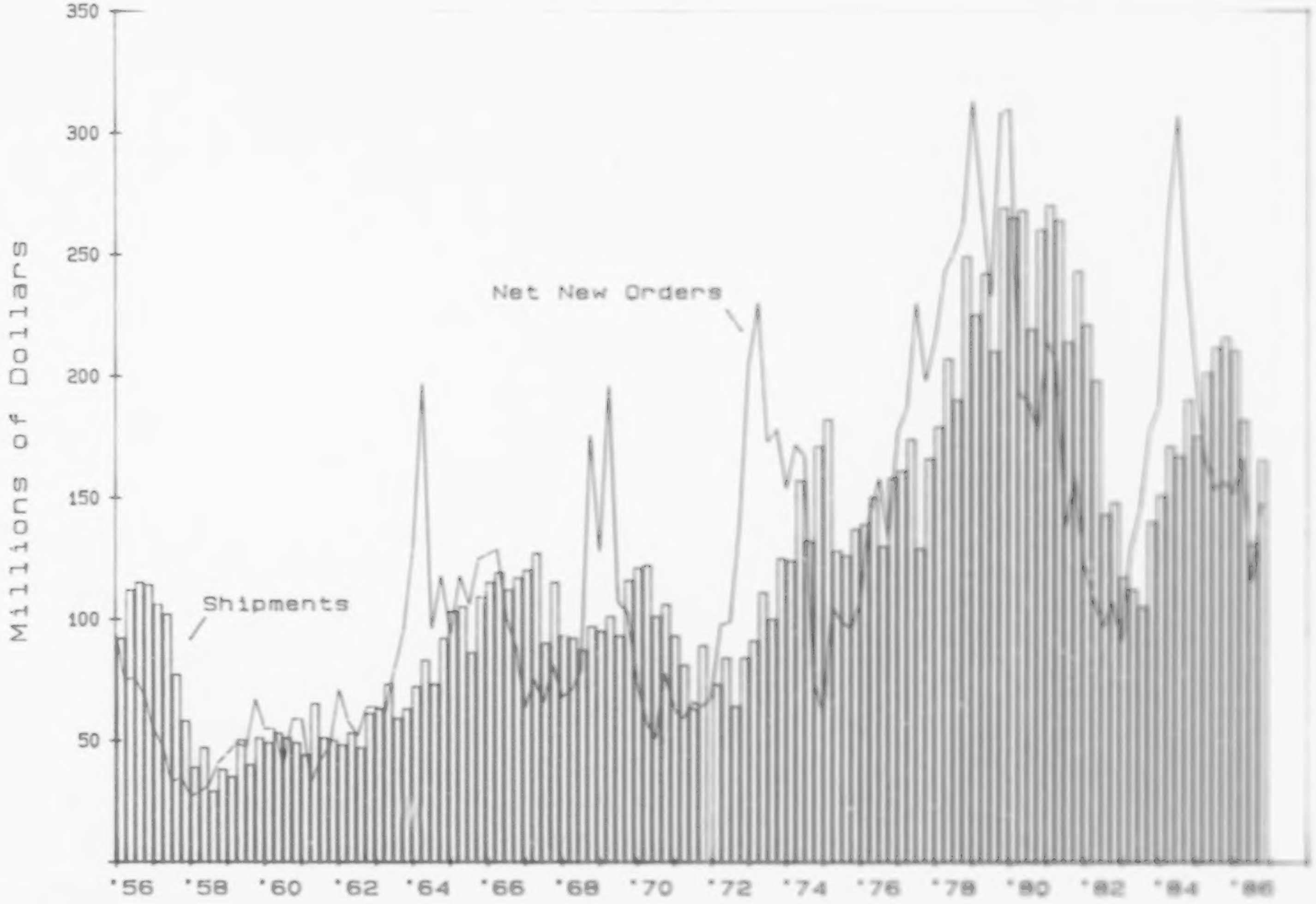
Total Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1986: 4



Metal Cutting Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1986: 4



Metal Forming Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956:1 to 1986:4



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News Release

national
machine
tool builders
association

FOR RELEASE: February 23, 1987
Contact: Charles Pollock
Michael Codel

MACHINE TOOL ORDERS RISE IN JANUARY

The National Machine Tool Builders' Association reported today that January net new orders for machine tools stood at $147.75 million, an 8.2% rise from the December 1986 level of $136.55 million. This total represents a monthly 14.5% rise in orders for metal cutting machine tools, up to $99.90 million from the $87.25 million posted in the previous month. Metal forming equipment orders for the month fell from $49.30 million to $47.85 million, a 2.9% drop.

Measured against January a year ago, the first month of 1987 saw a 26.0% fall in metal cutting orders and a 14.2% fall in metal forming orders. At $147.75 million, combined cutting and forming orders for January 1987 fell 22.5% when compared to the $190.75 million total for January 1986.

"The new order picture continues to concern us," stated James A. Gray, NMTBA president. "Capital spending cutbacks--like those recently announced by General Motors--can only have a negative effect on machine tool orders. Many industry executives and analysts, in light of these capital investment cutbacks, predict that 1987 may be one of the most difficult years yet faced by the U.S. machine tool industry."

(MORE)

"Yet, America needs to increase its industrial investment to compete with the other industrialized nations. We can never be the world's quality and cost leader if we rely on aging manufacturing plants," Gray said. "America must apply the latest technology to its manufactured products and manufacturing plant if we are to prosper. Everyone, especially our elected leaders, must recognize this fact."

Total machine tool shipments for the month of January stood at $148.25 million, down 45.3% from the $271.25 million posted in December 1986. Metal cutting machine tool shipments dropped 48.0% and metal forming machine tool shipments dropped 35.1%. This month-to-month decline is to be expected, as December's figures always reflect a year-end surge in shipments.

However, the combined shipment total of $148.25 million for January 1987 represents a 1.6% rise over the $145.85 million for January 1986. Compared to January a year ago, shipments of metal cutting equipment rose 22.1% while shipments of metal forming equipment fell 32.8%.

Total net new machine tool orders for all of 1986 stood at $2,125.30 million, down from a 1985 total of $2,528.10 million. Machine tool shipments for 1986 totaled $2,578.50 million, slightly up from the $2,545.20 million for 1985.

Machine tool backlogs for January 1987 fell to $1,203.85 million, down from the $1,204.35 million for December 1986.

# # #

COMPARISON CHART

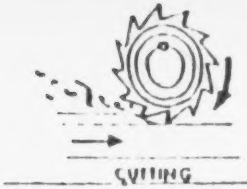
NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JAN 1987	88.00	11.90	99.90	33.00	14.85	47.85	121.00	26.75	147.75
DEC 1986	74.05	13.20	87.25	37.05	12.25	49.30	111.10	25.45	136.55
% CHANGE JAN 1987:DEC 1986	+18.8	-9.8	+14.5	-10.9	+21.2	-2.9	+8.9	+5.1	+8.2
JAN 1986	124.75	10.25	135.00	50.20	5.55	55.75	174.95	15.80	190.75
% CHANGE JAN 1987:JAN 1986	-29.5	+16.1	-26.0	-34.3	+167.6	-14.2	-30.8	+69.3	-22.5
YEAR TO DATE 1987									
YEAR TO DATE 1986	N/A			N/A			N/A		
% CHANGE 1987 : 1986									

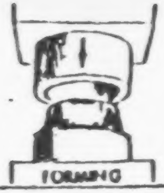
SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JAN 1987	104.60	7.15	111.75	31.30	5.20	36.50	135.90	12.35	148.25
DEC 1986	189.10	25.90	215.00	43.20	13.05	56.25	232.30	38.95	271.25
% CHANGE JAN 1987:DEC 1986	-44.7	-72.4	-48.0	-27.5	-60.2	-35.1	-41.5	-68.3	-45.3
JAN 1986	74.05	17.45	91.50	50.80	3.55	54.35	124.85	21.00	145.85
% CHANGE JAN 1987:JAN 1986	+41.3	-59.0	+22.1	-38.4	+46.5	-32.8	+8.9	-41.2	+1.6
YEAR TO DATE 1987									
YEAR TO DATE 1986	N/A			N/A			N/A		
% CHANGE 1987 : 1986									

Source; National Machine Tool Builders' Association



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

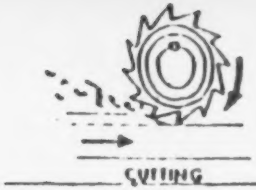


	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,883.35	$ 241.95	$ 2,125.30	1,204.35	$ 2,306.05	$ 272.45	$ 2,578.50
1987 JAN (P)	$ 121.00	$ 26.75	$ 147.75	1,203.85	$ 135.90	$ 12.35	$ 148.25

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 2,065.20	$ 257.20	$ 2,322.40	$ 181.85	$ 15.25	$ 197.10
1987 JAN (P)	$ 127.00	$ 26.85	$ 153.85	$ 6.00	$ .10	$ 6.10

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

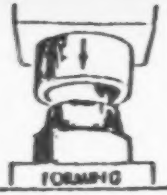
	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,376.55	$ 167.70	$ 1,544.25	897.25	$ 1,684.70	$ 205.60	$ 1,890.30
1987							
JAN (P)	$ 88.00	$ 11.90	$ 99.90	885.40	$ 104.60	$ 7.15	$ 111.75

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 1,498.60	$ 176.35	$ 1,674.95	$ 122.05	$ 8.65	$ 130.70
1987						
JAN (P)	$ 92.60	$ 11.95	$ 104.55	$ 4.60	$ .05	$ 4.65

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)



	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 506.80	$ 74.25	$ 581.05	307.10	$ 621.35	$ 66.85	$ 688.20
1987 JAN (P)	$ 33.00	$ 14.85	$ 47.85	318.45	$ 31.30	$ 5.20	$ 36.50

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40
1987 JAN (P)	$ 34.40	$ 14.90	$ 49.30	$ 1.40	$ .05	$ 1.45

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order Backlog	SHIPMENTS		
DATE	Domestic	Foreign	Total		Domestic	Foreign	Total
1985	$ 2,262.15	$ 265.55	$ 2,528.10	1,657.55	$ 2,291.45	$ 253.75	$ 2,545.20
1986							
JAN	$ 174.95	$ 15.80	$ 190.75	1,702.45	$ 124.85	$ 21.00	$ 145.85
FEB	$ 198.25	$ 12.15	$ 210.40	1,710.20	$ 185.65	$ 17.00	$ 202.65
MAR	$ 196.80	$ 17.80	$ 214.60	1,676.00	$ 219.30	$ 29.50	$ 248.80
APR	$ 169.25	$ 24.00	$ 193.25	1,659.70	$ 190.80	$ 18.75	$ 209.55
MAY	$ 177.00	$ 29.20	$ 206.20	1,636.35	$ 207.10	$ 22.45	$ 229.55
JUN	$ 190.55	$ 10.60	$ 201.15	1,525.60	$ 289.00	$ 22.90	$ 311.90
JUL	$ 135.30	$ 34.70	$ 170.00	1,505.55	$ 172.50	$ 17.55	$ 190.05
AUG	$ 139.00	$ 15.40	$ 154.40	1,508.60	$ 131.55	$ 19.80	$ 151.35
SEP	$ 113.60	$ 21.65	$ 135.25	1,435.90	$ 181.10	$ 26.85	$ 207.95
OCT	$ 159.40	$ 20.75	$ 180.15	1,373.25	$ 222.80	$ 20.00	$ 242.80
NOV	$ 118.15	$ 14.45	$ 132.60	1,339.05	$ 149.10	$ 17.70	$ 166.80
DEC	$ 111.10	$ 25.45	$ 136.55	1,204.35	$ 232.30	$ 38.95	$ 271.25
12 MONTHS	$ 1,883.35	$ 241.95	$ 2,125.30		$ 2,306.05	$ 272.45	$ 2,578.50

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1985	$ 2,433.30	$ 282.65	$ 2,715.95	$ 171.15	$ 16.70	$ 187.85
1986						
JAN	$ 180.65	$ 17.20	$ 197.85	$ 5.70	$ 1.40	$ 7.10
FEB	$ 214.85	$ 14.65	$ 229.50	$ 16.60	$ 2.50	$ 19.10
MAR	$ 203.35	$ 18.40	$ 221.75	$ 6.55	$ .60	$ 7.15
APR	$ 181.10	$ 24.45	$ 205.55	$ 11.85	$ .45	$ 12.30
MAY	$ 183.50	$ 29.50	$ 213.00	$ 6.50	$ .30	$ 6.80
JUN	$ 215.90	$ 15.20	$ 231.10	$ 25.35	$ 4.60	$ 29.95
JUL	$ 164.25	$ 35.30	$ 199.55	$ 28.95	$ .60	$ 29.55
AUG	$ 149.05	$ 16.50	$ 165.55	$ 10.05	$ 1.10	$ 11.15
SEP	$ 143.40	$ 22.35	$ 165.75	$ 29.80	$ .70	$ 30.50
OCT	$ 167.65	$ 21.90	$ 189.55	$ 8.25	$ 1.15	$ 9.40
NOV	$ 127.30	$ 15.10	$ 142.40	$ 9.15	$ .65	$ 9.80
DEC	$ 134.20	$ 26.65	$ 160.85	$ 23.10	$ 1.20	$ 24.30
12 MONTHS	$ 2,065.20	$ 257.20	$ 2,322.40	$ 181.85	$ 15.25	$ 197.10

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	NET NEW ORDERS Foreign	NET NEW ORDERS Total	Order Backlog	SHIPMENTS Domestic	SHIPMENTS Foreign	SHIPMENTS Total
1985	$ 1,652.15	$ 200.95	$ 1,853.10	1,243.30	$ 1,548.50	$ 193.75	$ 1,742.25
1986							
JAN	$ 124.75	$ 10.25	$ 135.00	1,286.80	$ 74.05	$ 17.45	$ 91.50
FEB	$ 160.65	$ 7.95	$ 168.60	1,331.50	$ 109.50	$ 14.40	$ 123.90
MAR	$ 146.05	$ 13.85	$ 159.90	1,319.85	$ 148.20	$ 23.35	$ 171.55
APR	$ 118.30	$ 17.85	$ 136.15	1,303.90	$ 140.05	$ 12.05	$ 152.10
MAY	$ 118.50	$ 23.20	$ 141.70	1,273.15	$ 153.10	$ 19.35	$ 172.45
JUN	$ 145.65	$ 11.15	$ 156.80	1,185.15	$ 226.70	$ 18.10	$ 244.80
JUL	$ 99.25	$ 29.55	$ 128.80	1,164.85	$ 135.90	$ 13.20	$ 149.10
AUG	$ 108.60	$ 6.50	$ 115.10	1,171.70	$ 92.50	$ 15.75	$ 108.25
SEP	$ 89.95	$ 10.20	$ 100.15	1,110.50	$ 140.80	$ 20.55	$ 161.35
OCT	$ 114.95	$ 15.90	$ 130.85	1,057.85	$ 170.40	$ 13.10	$ 183.50
NOV	$ 75.85	$ 8.10	$ 83.95	1,025.00	$ 104.40	$ 12.40	$ 116.80
DEC	$ 74.05	$ 13.20	$ 87.25	897.25	$ 189.10	$ 25.90	$ 215.00
12 MONTHS	$ 1,376.55	$ 167.70	$ 1,544.25		$ 1,684.70	$ 205.60	$ 1,890.30

DATE	GROSS NEW ORDERS Domestic	GROSS NEW ORDERS Foreign	GROSS NEW ORDERS Total	CANCELLATIONS Domestic	CANCELLATIONS Foreign	CANCELLATIONS Total
1985	$ 1,769.20	$ 213.45	$ 1,982.65	$ 117.05	$ 12.50	$ 129.55
1986						
JAN	$ 129.30	$ 11.45	$ 140.75	$ 4.55	$ 1.20	$ 5.75
FEB	$ 165.70	$ 9.95	$ 175.65	$ 5.05	$ 2.00	$ 7.05
MAR	$ 150.55	$ 14.30	$ 164.85	$ 4.50	$ .45	$ 4.95
APR	$ 127.40	$ 18.25	$ 145.65	$ 9.10	$ .40	$ 9.50
MAY	$ 122.75	$ 23.45	$ 146.20	$ 4.25	$ .25	$ 4.50
JUN	$ 159.55	$ 11.95	$ 171.50	$ 13.90	$ .80	$ 14.70
JUL	$ 116.50	$ 30.10	$ 146.60	$ 17.25	$ .55	$ 17.80
AUG	$ 114.30	$ 7.55	$ 121.85	$ 5.70	$ 1.05	$ 6.75
SEP	$ 110.20	$ 10.85	$ 121.05	$ 20.25	$ .65	$ 20.90
OCT	$ 121.75	$ 16.60	$ 138.35	$ 6.80	$ .70	$ 7.50
NOV	$ 83.95	$ 8.20	$ 92.15	$ 8.10	$ .09	$ 8.20
DEC	$ 96.65	$ 13.70	$ 110.35	$ 22.60	$ .50	$ 23.10
12 MONTHS	$ 1,498.60	$ 176.35	$ 1,674.95	$ 122.05	$ 8.65	$ 130.70

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1985	$ 610.00	$ 65.00	$ 675.00	414.25	$ 742.95	$ 60.00	$ 802.95
1986							
JAN	$ 50.20	$ 5.55	$ 55.75	415.65	$ 50.80	$ 3.55	$ 54.35
FEB	$ 37.60	$ 4.20	$ 41.80	378.70	$ 76.15	$ 2.60	$ 78.75
MAR	$ 50.75	$ 3.95	$ 54.70	356.15	$ 71.10	$ 6.15	$ 77.25
APR	$ 50.95	$ 6.15	$ 57.10	355.80	$ 50.75	$ 6.70	$ 57.45
MAY	$ 58.50	$ 6.00	$ 64.50	363.20	$ 54.00	$ 3.10	$ 57.10
JUN	$ 44.90	$ -.55	$ 44.35	340.45	$ 62.30	$ 4.80	$ 67.10
JUL	$ 36.05	$ 5.15	$ 41.20	340.70	$ 36.60	$ 4.35	$ 40.95
AUG	$ 30.40	$ 8.90	$ 39.30	336.90	$ 39.05	$ 4.05	$ 43.10
SEP	$ 23.65	$ 11.45	$ 35.10	325.40	$ 40.30	$ 6.30	$ 46.60
OCT	$ 44.45	$ 4.85	$ 49.30	315.40	$ 52.40	$ 6.90	$ 59.30
NOV	$ 42.30	$ 6.35	$ 48.65	314.05	$ 44.70	$ 5.30	$ 50.00
DEC	$ 37.05	$ 12.25	$ 49.30	307.10	$ 43.20	$ 13.05	$ 56.25
12 MONTHS	$ 506.80	$ 74.25	$ 581.05		$ 621.35	$ 66.85	$ 688.20

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1985	$ 664.10	$ 69.20	$ 733.30	$ 54.10	$ 4.20	$ 58.30
1986						
JAN	$ 51.35	$ 5.75	$ 57.10	$ 1.15	$ .20	$ 1.35
FEB	$ 49.15	$ 4.70	$ 53.85	$ 11.55	$ .50	$ 12.05
MAR	$ 52.80	$ 4.10	$ 56.90	$ 2.05	$ .15	$ 2.20
APR	$ 53.70	$ 6.20	$ 59.90	$ 2.75	$ .05	$ 2.80
MAY	$ 60.75	$ 6.05	$ 66.80	$ 2.25	$ .05	$ 2.30
JUN	$ 56.35	$ 3.25	$ 59.60	$ 11.45	$ 3.80	$ 15.25
JUL	$ 47.75	$ 5.20	$ 52.95	$ 11.70	$ .05	$ 11.75
AUG	$ 34.75	$ 8.95	$ 43.70	$ 4.35	$ .05	$ 4.40
SEP	$ 33.20	$ 11.50	$ 44.70	$ 9.55	$ .05	$ 9.60
OCT	$ 45.90	$ 5.30	$ 51.20	$ 1.45	$ .45	$ 1.90
NOV	$ 43.35	$ 6.90	$ 50.25	$ 1.05	$ .55	$ 1.60
DEC	$ 37.55	$ 12.95	$ 50.50	$ .50	$ .70	$ 1.20
12 MONTHS	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

3/27/87 A8050-1A

News Release

national
machine
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FOR RELEASE: March 30, 1987
Contact: Charles Pollock
Michael Codel

MACHINE TOOL ORDERS DOWN IN FEBRUARY

February machine tool orders fell to $145.10 million, down 1.1% from the $146.65 million posted in January, according to figures released today by the National Machine Tool Builders' Association. New orders for metal cutting machinery rose 4.9% to $103.75 million from January's $98.95 million, while orders for metal forming equipment fell 13.3% to $41.35 million from $47.70 million. When compared to February a year ago, these figures represent a 31.0% drop in machine tool orders.

Machine tool shipments for February stood at $137.70 million, a drop of 6.8% from January's $147.70 million. This includes a 10.5% drop, to $99.55 million, in shipments of metal cutting equipment and a 4.7% rise, to $38.15 million, in shipments of metal forming equipment. The February shipments total represents a 32.1% drop when compared to February a year ago.

"Capital investment cutbacks, the effects of the new tax laws and moderate capacity utilization rates have combined to create a period of uncertainty for the manufacturing industries of the United States. This uncertainty is reflected in the declines that we are

(MORE)

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The world of manufacturing technology

seeing in new orders for machine tools," stated James A. Gray, president of the National Machine Tool Builders' Association. He went on to say "Our industry has been through difficult times before and we have always rallied and met the situation head on. This period of change, though more wrenching and longer-lasting, is no different. We know that new technology is the way of the future and are pleased that progress on the National Center for Manufacturing Sciences is well underway. As the initial sponsor of this center, machine tool builders have demonstrated their commitment to the future of American manufacturing technology and their awareness of the part they must play to keep their products on the leading edge of that technology."

Metal cutting machine tool orders through February 1987 were down 33.2% when compared to the same period in 1986. Metal forming equipment orders were down 8.7% for the same period. These figures represent a combined year-to-date drop in new orders of 27.3%, with the figure falling from $401.15 million to $291.75 million.

Year-to-date shipments of machine tools fell 18.1%, dropping to $285.40 million from $348.50 million. This figure represents a 2.1% drop in metal cutting machine tool shipments and a 44.0% drop in metal forming machine tool shipments.

Machine tool backlogs for February 1987 rose to $1,210.70 million, up from $1,203.30 million for January 1987.

# # #

COMPARISON CHART

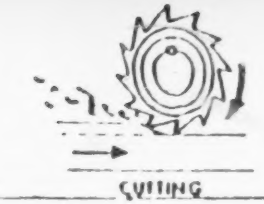
NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
FEB 1987	98.40	5.35	103.75	35.55	5.80	41.35	133.95	11.15	145.10
JAN 1987	85.65	13.30	98.95	32.90	14.80	47.70	118.55	28.10	146.65
% CHANGE FEB 1987:JAN 1987	+14.9	-59.8	+4.9	+8.1	-60.8	-13.3	+13.0	-60.3	-1.1
FEB 1986	160.65	7.95	168.60	37.60	4.20	41.80	198.25	12.15	210.40
% CHANGE FEB 1987:FEB 1986	-38.7	-32.7	-38.5	-5.5	+38.1	-1.1	-32.4	-8.2	-31.0
YEAR TO DATE 1987	184.05	18.65	202.70	68.45	20.60	89.05	252.50	39.25	291.75
YEAR TO DATE 1986	285.40	18.20	303.60	87.80	9.75	97.55	373.20	27.95	401.15
% CHANGE 1987 : 1986	-35.5	+2.5	-33.2	-22.0	+111.3	-8.7	-32.3	+40.4	-27.3

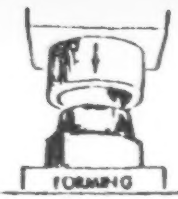
SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
FEB 1987	89.15	10.40	99.55	34.95	3.20	38.15	124.10	13.60	137.70
JAN 1987	104.10	7.15	111.25	31.25	5.20	36.45	135.35	12.35	147.70
% CHANGE FEB 1987:JAN 1987	-14.4	+45.5	-10.5	+11.8	+-38.5	+4.7	-8.3	+10.1	-6.8
FEB 1986	109.50	14.40	123.90	76.15	2.60	78.75	185.65	17.00	202.65
% CHANGE FEB 1987:FEB 1986	-18.6	-27.8	-19.7	-54.1	+23.1	-51.6	-33.2	-20.0	-32.1
YEAR TO DATE 1987	193.25	17.55	210.80	66.20	8.40	74.60	259.45	25.95	285.40
YEAR TO DATE 1986	183.55	31.85	215.40	126.95	6.15	133.10	310.50	38.00	348.50
% CHANGE 1987 : 1986	+5.3	-44.9	-2.1	-47.9	+36.6	-44.0	-16.4	-31.7	-18.1

Source: National Machine Tool Builders' Association



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

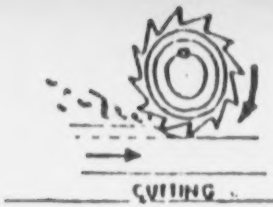


	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,883.35	$ 241.95	$ 2,125.30	1,204.35	$ 2,306.05	$ 272.45	$ 2,578.50
1987							
JAN	$ 118.55	$ 28.10	$ 146.65	1,203.30	$ 135.35	$ 12.35	$ 147.70
FEB (P)	$ 133.95	$ 11.15	$ 145.10	1,210.70	$ 124.10	$ 13.60	$ 137.70
2 MONTHS	$ 252.50	$ 39.25	$ 291.75		$ 259.45	$ 25.95	$ 285.40

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 2,065.20	$ 257.20	$ 2,322.40	$ 181.85	$ 15.25	$ 197.10
1987						
JAN	$ 124.60	$ 28.20	$ 152.80	$ 6.05	$ .10	$ 6.15
FEB (P)	$ 139.85	$ 13.35	$ 153.20	$ 5.90	$ 2.20	$ 8.10
2 MONTHS	$ 264.45	$ 41.55	$ 306.00	$ 11.95	$ 2.30	$ 14.25

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,376.55	$ 167.70	$ 1,544.25	897.25	$ 1,684.70	$ 205.60	$ 1,890.30
1987							
JAN	$ 85.65	$ 13.30	$ 98.95	884.95	$ 104.10	$ 7.15	$ 111.25
FEB (P)	$ 98.40	$ 5.35	$ 103.75	889.15	$ 89.15	$ 10.40	$ 99.55
2 MONTHS	$ 184.05	$ 18.65	$ 202.70		$ 193.25	$ 17.55	$ 210.80

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 1,498.60	$ 176.35	$ 1,674.95	$ 122.05	$ 8.65	$ 130.70
1987						
JAN	$ 90.30	$ 13.35	$ 103.65	$ 4.65	$ .05	$ 4.70
FEB (P)	$ 101.60	$ 7.50	$ 109.10	$ 3.20	$ 2.15	$ 5.35
2 MONTHS	$ 191.90	$ 20.85	$ 212.75	$ 7.85	$ 2.20	$ 10.05

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 506.80	$ 74.25	$ 581.05	307.10	$ 621.35	$ 66.85	$ 688.20
1987							
JAN	$ 32.90	$ 14.80	$ 47.70	318.35	$ 31.25	$ 5.20	$ 36.45
FEB (P)	$ 35.55	$ 5.80	$ 41.35	321.55	$ 34.95	$ 3.20	$ 38.15
2 MONTHS	$ 68.45	$ 20.60	$ 89.05		$ 66.20	$ 8.40	$ 74.60

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40
1987						
JAN	$ 34.30	$ 14.85	$ 49.15	$ 1.40	$ .05	$ 1.45
FEB (P)	$ 38.25	$ 5.85	$ 44.10	$ 2.70	$ .05	$ 2.75
2 MONTHS	$ 72.55	$ 20.70	$ 93.25	$ 4.10	$ .10	$ 4.20

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

4/23/87 A8050-1 A

News Release

national
machine
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FOR RELEASE: April 27, 1987
Contact: Charles Pollock
Michael Codel

MACHINE TOOL ORDERS RISE IN MARCH

Net new machine tool orders for the first quarter of 1987 fell 24.5% to $464.70 million from their level for the first quarter of 1986, while shipments dropped 20.3% to $475.90 million, according to figures released today by the National Machine Tool Builders' Association.

March orders totaled $165.20 million, down 23.0% from March 1986, but up 8.1% over February's total. Shipments during March totaled $181.60 million, falling 27.0% from March a year ago, but rising 23.9% above February of this year.

"The figures we are seeing today are in large part due to the steady loss of both total market and market share that the American machine tool industry has suffered over the last few years," said James A. Gray, president of NMTBA. "Long before the current public awareness of the threat posed by excessive imports, this industry felt the bite of the invasion of foreign products. We are encouraged that both the Administration and the Congress have taken an interest in this problem. This industry, as well as other U.S. industries, must have the opportunity to compete on an even basis in worldwide markets."

(MORE)

NMTBA sponsors the INTERNATIONAL MACHINE TOOL SHOW IMTS The world of manufacturing technology

Metal cutting machine tool orders rose 20.0% from their February total to $124.45 million, while metal forming orders fell 17.1% to $40.75 million. Comparing March 1987 to March 1986, orders for metal cutting equipment fell 22.2% and orders for metal forming equipment fell 25.5%.

Shipments of metal cutting equipment rose 38.8% during March to $137.75 million, while shipments of metal forming equipment fell 7.4% to $43.85 million. However, compared to March 1986, March 1987 shipments fell 19.7% in metal cutting machine tools and 43.2% in metal forming machine tools.

Machine tool backlogs for March 1987 fell to $1,193.15 million, down from the $1,209.55 million posted in February.

# # #

COMPARISON CHART

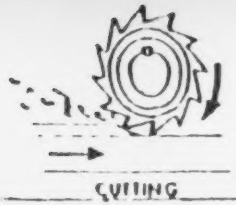
NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
MAR 1987	108.55	15.90	124.45	28.70	12.05	40.75	137.25	27.95	165.20
FEB 1987	98.35	5.35	103.70	43.10	6.05	49.15	141.45	11.40	152.85
% CHANGE MAR 1987:FEB 1987	+10.4	+197.2	+20.0	-33.4	+99.2	-17.1	-3.0	+145.2	+8.1
MAR 1986	146.05	13.85	159.90	50.75	3.95	54.70	196.80	17.80	214.60
% CHANGE MAR 1987:MAR 1986	-25.7	+14.8	-22.2	-43.4	+205.1	-25.5	-30.3	+57.0	-23.0
YEAR TO DATE 1987	292.55	34.55	327.10	104.70	32.90	137.60	397.25	67.45	464.70
YEAR TO DATE 1986	431.45	32.05	463.50	138.55	13.70	152.25	570.00	45.75	615.75
% CHANGE 1987 : 1986	-32.2	+7.8	-29.4	-24.4	+140.1	-9.6	-30.3	+47.4	-24.5

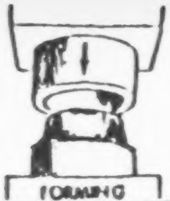
SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
MAR 1987	117.40	20.35	137.75	35.85	8.00	43.85	153.25	28.35	181.60
FEB 1987	88.80	10.45	99.25	42.65	4.70	47.35	131.45	15.15	146.60
% CHANGE MAR 1987:FEB 1987	+32.2	+94.7	+38.8	-15.9	+70.2	-7.4	+16.6	+87.1	+23.9
MAR 1986	148.20	23.35	171.55	71.10	6.15	77.25	219.30	29.50	248.80
% CHANGE MAR 1987:MAR 1986	-20.8	-12.8	-19.7	-49.6	+30.1	-43.2	-30.1	-3.9	-27.0
YEAR TO DATE 1987	310.30	37.95	348.25	109.75	17.90	127.65	420.05	55.85	475.90
YEAR TO DATE 1986	331.75	55.20	386.95	198.05	12.30	210.35	529.80	67.50	597.30
% CHANGE 1987 : 1986	-6.5	-31.2	-10.0	-44.6	+45.5	-39.3	-20.7	-17.3	-20.3

Source: National Machine Tool Builders' Association



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

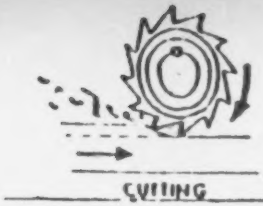


	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,883.35	$ 241.95	$ 2,125.30	1,204.35	$ 2,306.05	$ 272.45	$ 2,578.50
1987							
JAN	$ 118.55	$ 28.10	$ 146.65	1,203.30	$ 135.35	$ 12.35	$ 147.70
FEB	$ 141.45	$ 11.40	$ 152.85	1,209.55	$ 131.45	$ 15.15	$ 146.60
MAR (P)	$ 137.25	$ 27.95	$ 165.20	1,193.15	$ 153.25	$ 28.35	$ 181.60
3 MONTHS	$ 397.25	$ 67.45	$ 464.70		$ 420.05	$ 55.85	$ 475.90

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 2,065.20	$ 257.20	$ 2,322.40	$ 181.85	$ 15.25	$ 197.10
1987						
JAN	$ 124.60	$ 28.20	$ 152.80	$ 6.05	$ .10	$ 6.15
FEB	$ 147.45	$ 13.60	$ 161.05	$ 6.00	$ 2.20	$ 8.20
MAR (P)	$ 166.05	$ 30.05	$ 196.10	$ 28.80	$ 2.10	$ 30.90
3 MONTHS	$ 438.10	$ 71.85	$ 509.95	$ 40.85	$ 4.40	$ 45.25

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,376.55	$ 167.70	$ 1,544.25	897.25	$ 1,684.70	$ 205.60	$ 1,890.30
1987							
JAN	$ 85.65	$ 13.30	$ 98.95	884.95	$ 104.10	$ 7.15	$ 111.25
FEB	$ 98.35	$ 5.35	$ 103.70	889.40	$ 88.80	$ 10.45	$ 99.25
MAR (P)	$ 108.55	$ 15.90	$ 124.45	876.10	$ 117.40	$ 20.35	$ 137.75
3 MONTHS	$ 292.55	$ 34.55	$ 327.10		$ 310.30	$ 37.95	$ 348.25

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 1,498.60	$ 176.35	$ 1,674.95	$ 122.05	$ 8.65	$ 130.70
1987						
JAN	$ 90.30	$ 13.35	$ 103.65	$ 4.65	$ .05	$ 4.70
FEB	$ 101.55	$ 7.50	$ 109.05	$ 3.20	$ 2.15	$ 5.35
MAR (P)	$ 115.00	$ 17.95	$ 132.95	$ 6.45	$ 2.05	$ 8.50
3 MONTHS	$ 306.85	$ 38.80	$ 345.65	$ 14.30	$ 4.25	$ 18.55

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 506.80	$ 74.25	$ 581.05	307.10	$ 621.35	$ 66.85	$ 688.20
1987							
JAN	$ 32.90	$ 14.80	$ 47.70	318.35	$ 31.25	$ 5.20	$ 36.45
FEB	$ 43.10	$ 6.05	$ 49.15	320.15	$ 42.65	$ 4.70	$ 47.35
MAR (P)	$ 28.70	$ 12.05	$ 40.75	317.05	$ 35.85	$ 8.00	$ 43.85
3 MONTHS	$ 104.70	$ 32.90	$ 137.60		$ 109.75	$ 17.90	$ 127.65

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40
1987						
JAN	$ 34.30	$ 14.85	$ 49.15	$ 1.40	$ .05	$ 1.45
FEB	$ 45.90	$ 6.10	$ 52.00	$ 2.80	$ .05	$ 2.85
MAR (P)	$ 51.05	$ 12.10	$ 63.15	$ 22.35	$ .05	$ 22.40
3 MONTHS	$ 131.25	$ 33.05	$ 164.30	$ 26.55	$ .15	$ 26.70

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS
(Dollar Figures in Thousands)
1981 to Date

	Cutting and Forming			Cutting			Forming		
	SHIPMENTS		NET	SHIPMENTS		NET	SHIPMENTS		NET
DATE	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS
1981-1	$1,288,200	$210,800	$ 920,350	$1,017,850	$155,600	$ 706,600	$ 270,350	$ 55,200	$ 213,750
2	1,367,500	236,350	867,000	1,103,400	185,450	661,200	264,100	50,900	205,800
3	1,133,950	127,950	593,450	920,300	99,950	455,250	213,650	28,000	138,200
4	1,305,950	143,850	564,050	1,062,950	111,050	405,050	243,000	32,800	159,000
Total	$5,095,600	$718,950	$2,944,850	$4,104,500	$552,050	$2,228,100	$ 991,100	$ 166,900	$ 716,750
1982-1	$1,154,200	$112,650	$ 506,800	$ 933,050	$ 71,750	$ 384,850	$ 221,150	$ 40,900	$ 121,950
2	1,008,450	96,600	382,650	810,650	75,350	274,750	197,800	21,250	107,900
3	783,400	107,200	279,950	640,450	89,750	183,450	142,950	17,450	96,500
4	658,350	89,600	328,350	510,600	59,300	221,400	147,750	30,300	106,950
Total	$3,604,400	$406,050	$1,497,750	$2,894,750	$296,150	$1,064,450	$ 709,650	$ 109,900	$ 433,300
1983-1	$ 487,450	$ 56,650	$ 314,850	$ 370,600	$ 40,800	$ 224,100	$ 116,850	$ 15,850	$ 90,750
2	469,650	58,300	399,100	357,500	49,300	269,300	112,150	9,000	129,800
3	357,050	42,900	468,150	252,350	32,200	322,200	104,700	10,700	145,950
4	530,900	57,150	514,050	391,050	49,600	336,050	139,850	7,550	178,000
Total	$1,845,050	$215,000	$1,696,150	$1,371,500	$171,900	$1,151,650	$ 473,550	$ 43,100	$ 544,500
1984-1	$ 449,500	$ 40,550	$ 600,450	$ 298,100	$ 25,100	$ 412,750	$ 151,400	$ 15,450	$ 187,700
2	572,300	50,700	764,400	401,800	28,250	499,200	170,500	22,450	265,200
3	568,850	41,850	800,200	401,550	24,300	493,000	167,300	17,550	307,200
4	695,200	60,150	750,750	505,050	45,000	510,850	190,150	15,150	239,900
Total	$2,285,850	$193,250	$2,915,800	$1,606,500	$122,650	$1,915,800	$ 679,350	$ 70,600	$1,000,000
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4	680,850	76,650	449,300	515,300	51,400	302,050	165,550	25,250	147,250
Total	$2,578,500	$272,450	$2,125,300	$1,890,300	$205,600	$1,544,250	$ 688,200	$ 66,850	$ 581,050
1987-1P	$ 475,900	$ 55,850	$ 464,700	$ 348,250	$ 37,950	$ 327,100	$ 127,650	$ 17,900	$ 137,600

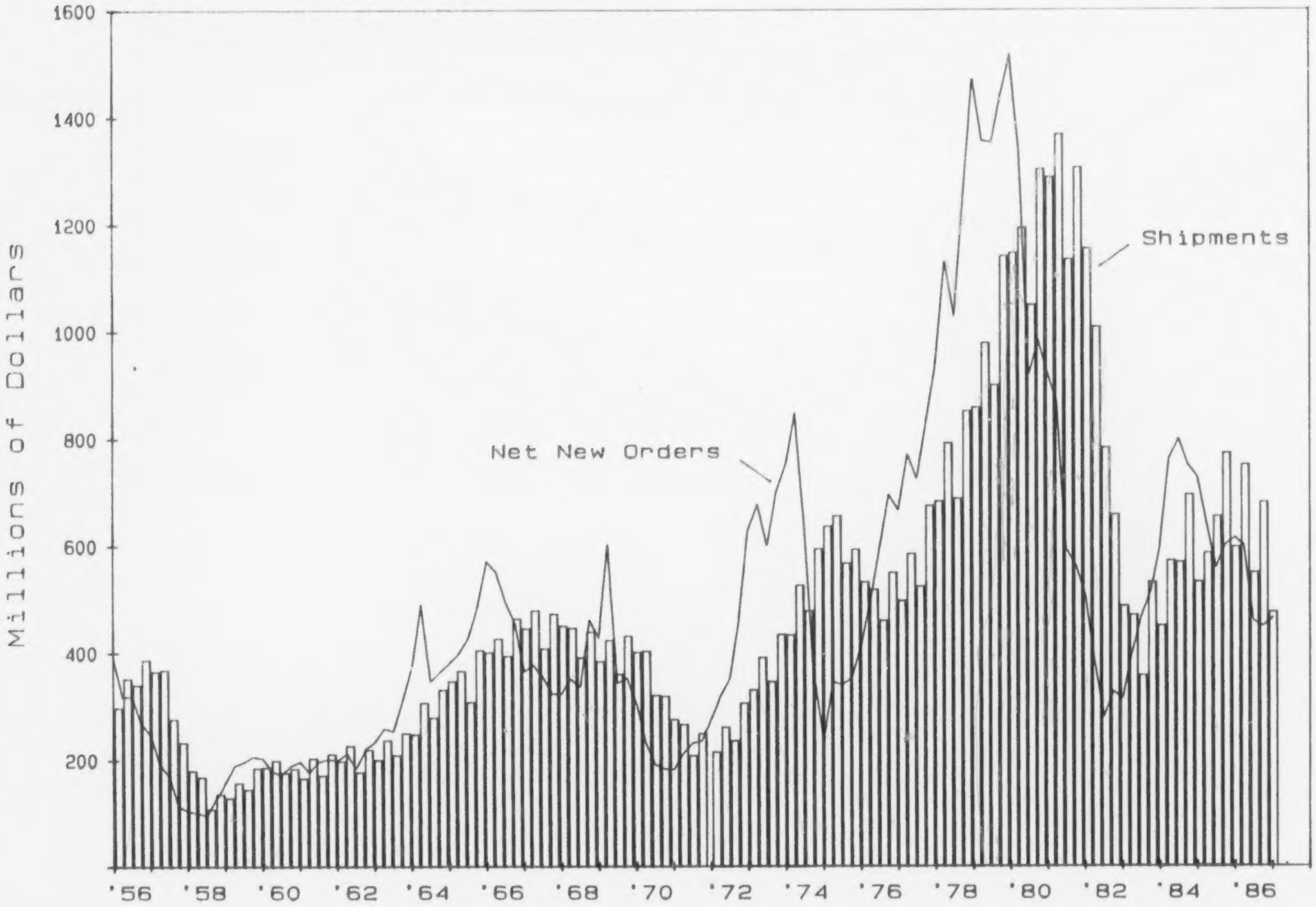
P - Preliminary

NOTE: These data series are available back to 1956. To obtain a copy of the tables for 1956 through 1987, contact: NMTBA Statistical Department, 7901 Westpark Drive, McLean, Virginia 22102-4269. Phone: 703:893-2900

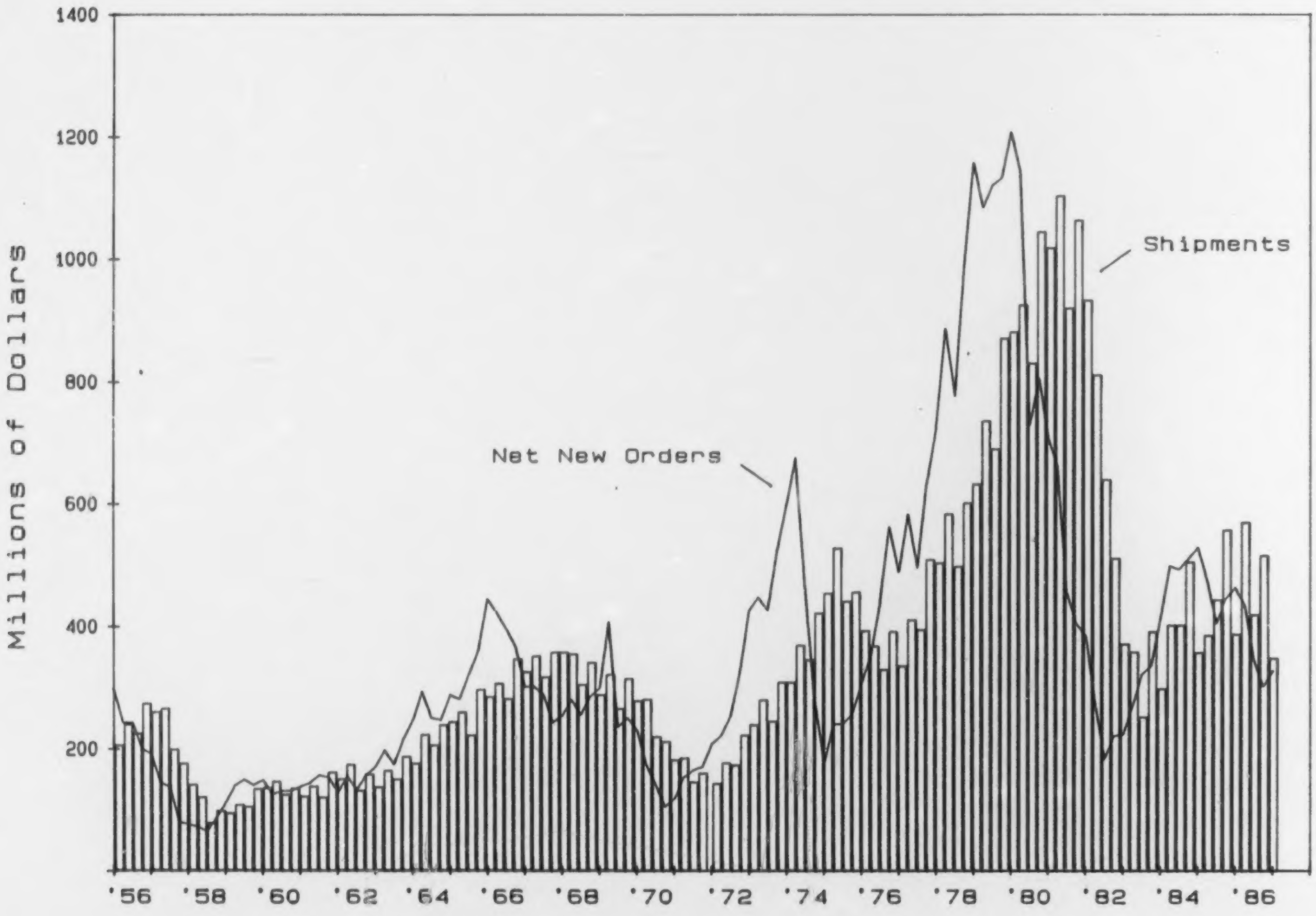
Source: National Machine Tool Builders' Association

April 27, 1987

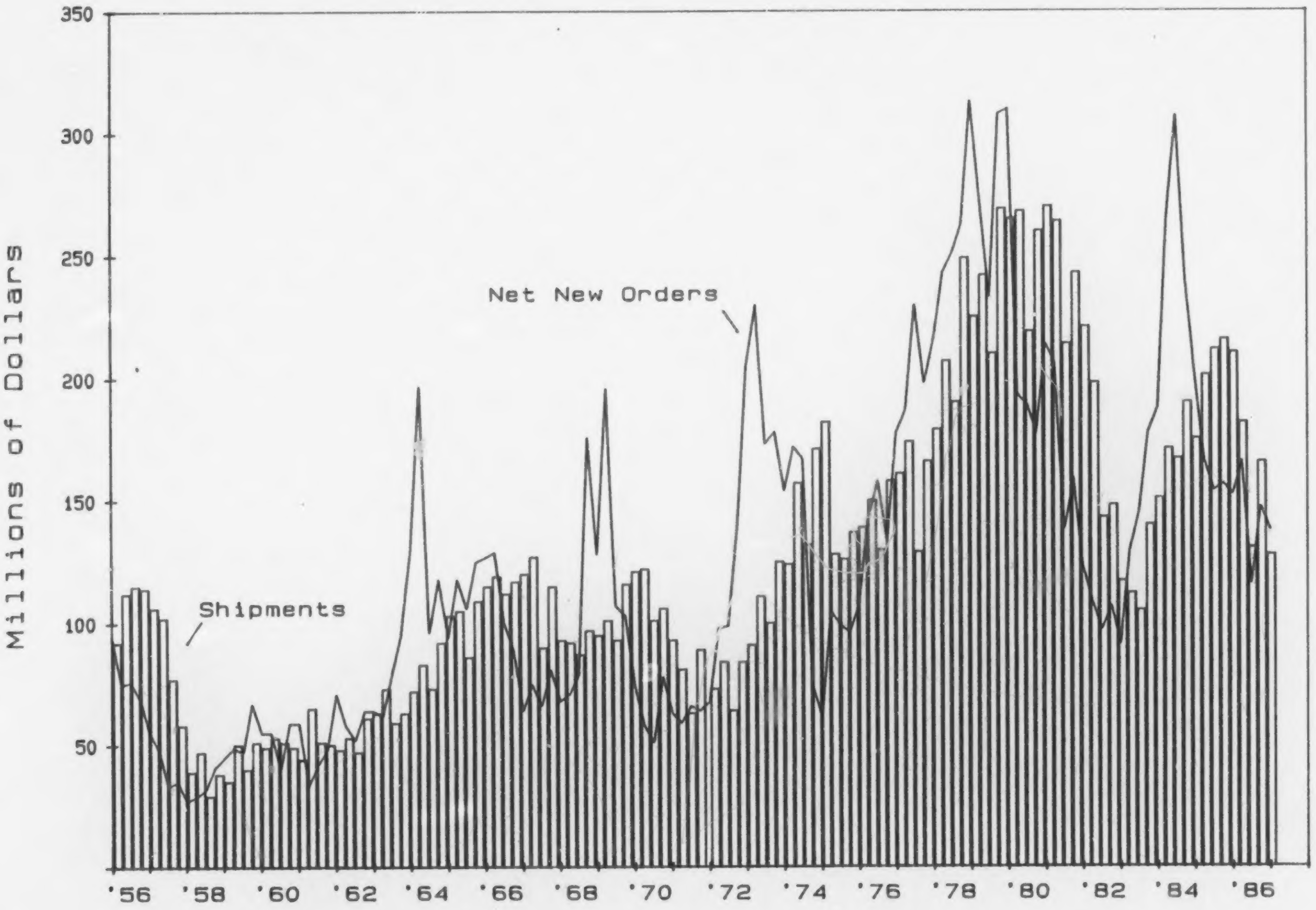
Total Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1987: 1



Metal Cutting Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1987: 1



Metal Forming Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1987: 1



News Release

national
machine
tool builders'
association

FOR RELEASE: May 25, 1987
Contact: Charles Pollock
Michael Codel

MACHINE TOOL ORDERS DOWN IN APRIL

The National Machine Tool Builders' Association reported today that April orders for machine tools totaled $129.90 million, down 20.9% from the $164.20 million figure for March. New orders for metal cutting machinery fell 35.9% to $79.15 million, while orders for metal forming equipment rose 24.5% to $50.75 million.

Compared to April one year ago, total orders have fallen 32.8%, from $193.25 million. This reflects a 41.9% drop in metal cutting machine tool orders and a 11.1% drop in metal forming equipment orders. Year-to-date orders stand at $593.60 million, down 26.6% from the same period in 1986. This represents a 32.4% drop in orders for metal cutting equipment and a 10.0% drop in orders for metal forming equipment for the first four months of the year.

"The Tax Act of 1986, coupled with an uncertain economic environment, has created a disastrous situation for the machine tool industry," said James A. Gray, president of NMTBA. "The economic uncertainty causes manufacturers to delay expansion plans, thereby slowing, and often eliminating, the use of the latest manufacturing technology in U.S. plants. The uncertainty further causes prudent manufacturing managers to delay replacing worn machinery and

(MORE)

modernizing plants in order to avoid additional debt, and to conserve cash in case there is a downturn. And if economic uncertainty continues over a period of years -- as it has -- the continued annual cutbacks in new manufacturing technology investment keep pushing machine tool jobs lower and lower. This year's declines in machine tool orders represent a decline from a year (1986) that was one of the lowest order years in post-World War II history.

"The process is exacerbated by the lowest rate of manufacturing capacity utilization in three years -- 78.9% at the most recent reporting. It has been a rule of thumb that American industry doesn't start investing in new plant and equipment for growth until the percentage rate of manufacturing capacity utilization climbs into the low 80s. American manufacturing has no chance of survival, if the slow, steady erosion of our manufacturing capital base continues -- an erosion that has been going on since the early part of this decade (and which was prevalent during much of the late 1960s and the 1970s).

"America is at a crossroads: Either we act to save our manufacturing sector, or we will lose much of it. Government can help, by restoring reasonable capital recovery provisions to our tax code. But the tough, courageous decisions have to be made by the managers of America's corporations. They must risk large amounts of money to move quickly into the next generation of manufacturing technology.

(MORE)

"If American industry regains its competitiveness and controls its destiny, by using only the most modern, most efficient tools of production, then Americans can control America's economic future.

"But if we allow our manufacturing base to continue to erode, and continue to lose competitive ground, then those who supply America will be the ultimate masters of our economic destiny," Gray concluded.

Total machine tool shipments for April fell to $172.45 million, down 5.5% from the $182.50 million posted in March. Metal cutting machine tool shipments fell 16.4% to $115.95 million, while shipments of metal forming equipment rose 28.8% to $56.50 million.

Compared to April a year ago, total shipments for the month were off 17.7%, with metal cutting equipment down 23.8% and metal forming equipment down 1.7%. The year-to-date figure for total shipments stands at $649.25 million, down 19.5% from the $806.85 million of one year ago. This represents a 13.7% fall in shipments of metal cutting machine tools and a 31.2% fall in shipments of metal forming machine tools.

The order backlog for April 1987 fell to $1,148.70 million, down from the $1,191.25 million posted in March.

# # #

COMPARISON CHART

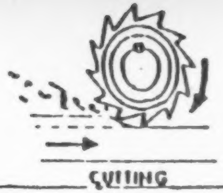
NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
APR 1987	64.90	14.25	79.15	45.00	5.75	50.75	109.90	20.00	129.90
MAR 1987	107.55	15.90	123.45	28.70	12.05	40.75	136.25	27.95	164.20
% CHANGE APR 1987:MAR 1987	-39.7	-10.4	-35.9	+56.8	-52.3	+24.5	-19.3	-28.4	-20.9
APR 1986	118.30	17.85	136.15	50.95	6.15	57.10	169.25	24.00	193.25
% CHANGE APR 1987:APR 1986	-45.1	-20.2	-41.9	-11.7	-6.5	-11.1	-35.1	-16.7	-32.8
YEAR TO DATE 1987	356.45	48.80	405.25	149.70	38.65	188.35	506.15	87.45	593.60
YEAR TO DATE 1986	549.75	49.90	599.65	189.50	19.85	209.35	739.25	69.75	809.00
% CHANGE 1987 : 1986	-35.2	-2.2	-32.4	-21.0	+94.7	-10.0	-31.5	+25.4	-26.6

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
APR 1987	102.30	13.65	115.95	48.05	8.45	56.50	150.35	22.10	172.45
MAR 1987	118.20	20.45	138.65	35.85	8.00	43.85	154.05	28.45	182.50
% CHANGE APR 1987:MAR 1987	-13.5	-33.3	-16.4	+34.0	+5.6	+28.8	-2.4	-22.3	-5.5
APR 1986	140.05	12.05	152.10	50.75	6.70	57.45	190.80	18.75	209.55
% CHANGE APR 1987:APR 1986	-27.0	+13.3	-23.8	-5.3	+26.1	-1.7	-21.2	+17.9	-17.7
YEAR TO DATE 1987	413.40	51.70	465.10	157.80	26.35	184.15	571.20	78.05	649.25
YEAR TO DATE 1986	471.80	67.25	539.05	248.80	19.00	267.80	720.60	86.25	806.85
% CHANGE 1987 : 1986	-12.4	-23.1	-13.7	-36.6	+38.7	-31.2	-20.7	-9.5	-19.5

Source: National Machine Tool Builders' Association



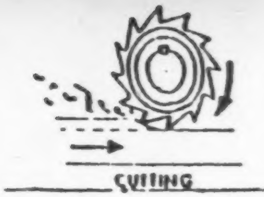
TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,883.35	$ 241.95	$ 2,125.30	1,204.35	$ 2,306.05	$ 272.45	$ 2,578.50
1987							
JAN	$ 118.55	$ 28.10	$ 146.65	1,203.30	$ 135.35	$ 12.35	$ 147.70
FEB	$ 141.45	$ 11.40	$ 152.85	1,209.55	$ 131.45	$ 15.15	$ 146.60
MAR	$ 136.25	$ 27.95	$ 164.20	1,191.25	$ 154.05	$ 28.45	$ 182.50
APR (P)	$ 109.90	$ 20.00	$ 129.90	1,148.70	$ 150.35	$ 22.10	$ 172.45
4 MONTHS	$ 506.15	$ 87.45	$ 593.60		$ 571.20	$ 78.05	$ 649.25

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 2,065.20	$ 257.20	$ 2,322.40	$ 181.85	$ 15.25	$ 197.10
1987						
JAN	$ 124.60	$ 28.20	$ 152.80	$ 6.05	$ .10	$ 6.15
FEB	$ 147.45	$ 13.60	$ 161.05	$ 6.00	$ 2.20	$ 8.20
MAR	$ 165.05	$ 30.05	$ 195.10	$ 28.80	$ 2.10	$ 30.90
APR (P)	$ 119.35	$ 20.90	$ 140.25	$ 9.45	$ .90	$ 10.35
4 MONTHS	$ 556.45	$ 92.75	$ 649.20	$ 50.30	$ 5.30	$ 55.60

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,376.55	$ 167.70	$ 1,544.25	897.25	$ 1,684.70	$ 205.60	$ 1,890.30
1987							
JAN	$ 85.65	$ 13.30	$ 98.95	884.95	$ 104.10	$ 7.15	$ 111.25
FEB	$ 98.35	$ 5.35	$ 103.70	889.40	$ 88.80	$ 10.45	$ 99.25
MAR	$ 107.55	$ 15.90	$ 123.45	874.20	$ 118.20	$ 20.45	$ 138.65
APR (P)	$ 64.90	$ 14.25	$ 79.15	837.40	$ 102.30	$ 13.65	$ 115.95
4 MONTHS	$ 356.45	$ 48.80	$ 405.25		$ 413.40	$ 51.70	$ 465.10

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 1,498.60	$ 176.35	$ 1,674.95	$ 122.05	$ 8.65	$ 130.70
1987						
JAN	$ 90.30	$ 13.35	$ 103.65	$ 4.65	$ .05	$ 4.70
FEB	$ 101.55	$ 7.50	$ 109.05	$ 3.20	$ 2.15	$ 5.35
MAR	$ 114.00	$ 17.95	$ 131.95	$ 6.45	$ 2.05	$ 8.50
APR (P)	$ 73.10	$ 14.60	$ 87.70	$ 8.20	$ .35	$ 8.55
4 MONTHS	$ 378.95	$ 53.40	$ 432.35	$ 22.50	$ 4.60	$ 27.10

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	NET NEW ORDERS Foreign	NET NEW ORDERS Total	Order Backlog	SHIPMENTS Domestic	SHIPMENTS Foreign	SHIPMENTS Total
1986	$ 506.80	$ 74.25	$ 581.05	307.10	$ 621.35	$ 66.85	$ 688.20
1987							
JAN	$ 32.90	$ 14.80	$ 47.70	318.35	$ 31.25	$ 5.20	$ 36.45
FEB	$ 43.10	$ 6.05	$ 49.15	320.15	$ 42.65	$ 4.70	$ 47.35
MAR	$ 28.70	$ 12.05	$ 40.75	317.05	$ 35.85	$ 8.00	$ 43.85
APR (P)	$ 45.00	$ 5.75	$ 50.75	311.30	$ 48.05	$ 8.45	$ 56.50
4 MONTHS	$ 149.70	$ 38.65	$ 188.35		$ 157.80	$ 26.35	$ 184.15

DATE	GROSS NEW ORDERS Domestic	GROSS NEW ORDERS Foreign	GROSS NEW ORDERS Total	CANCELLATIONS Domestic	CANCELLATIONS Foreign	CANCELLATIONS Total
1986	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40
1987						
JAN	$ 34.30	$ 14.85	$ 49.15	$ 1.40	$ .05	$ 1.45
FEB	$ 45.90	$ 6.10	$ 52.00	$ 2.80	$ .05	$ 2.85
MAR	$ 51.05	$ 12.10	$ 63.15	$ 22.35	$ .05	$ 22.40
APR (P)	$ 46.25	$ 6.30	$ 52.55	$ 1.25	$ .55	$ 1.80
4 MONTHS	$ 177.50	$ 39.35	$ 216.85	$ 27.80	$ .70	$ 28.50

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

6/25/87 A8050-1 A

News Release

national
machine
tool builders
association

FOR RELEASE: June 29, 1987
Contact: Charles Pollock
Michael Codel

MACHINE TOOL ORDERS RISE IN MAY

May machine tool net new orders rose to $188.10 million, up 44.4% from the $130.30 million April figure, according to information released today by the National Machine Tool Builders' Association. This total represents a monthly rise of 82.0% in orders for metal cutting machine tools, up to $144.80 million from $79.55 million for the previous month. Metal forming equipment orders for the month fell from $50.75 million to $43.30 million, a 14.7% drop. When compared to May a year ago, these figures reflect an 8.8% drop in total machine tool orders.

Metal cutting machine tool orders for the first five months of the year were down 25.8% and metal forming equipment orders were down 15.4%. These figures represent a combined year-to-date drop in new orders of 23.0%, with the order total falling from $1,015.20 million in 1986 to $782.10 million this year.

"It is good to see a significant rise in monthly orders," said James A. Gray, NMTBA president. "While the figures are still well behind those for a year ago, we hope that we are starting to see a turnaround in a downward slide that has lasted far too long. With

(MORE)

the dollar now at a more realistic level and our products more competitive overseas, we are cautiously optimistic that the situation will continue to improve in both foreign and domestic markets."

Machine tool shipments for May rose to $208.60 million, a 21.0% rise from April's total of $172.35 million. This includes a 39.5% rise, to $161.65 million, in shipments of metal cutting equipment and a 16.9% drop, to $46.95 million, in shipments of metal forming equipment. The May shipments total reflects a 9.1% drop compared to May a year ago.

Year-to-date figures for 1987 show metal cutting shipments off 11.9% and cumulative metal forming shipments off 28.9% compared to the same period in 1986. Total machine tool shipments for the period fell 17.2%, dropping to $857.75 million, from $1,036.40 million a year ago.

The machine tool order backlog for May 1987 fell to $1,128.70 million, down from $1,149.20 million for the previous month.

# # #

COMPARISON CHART

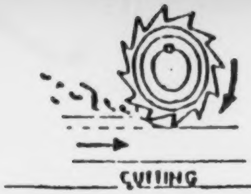
NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
MAY 1987	139.60	5.20	144.80	36.50	6.80	43.30	176.10	12.00	188.10
APR 1987	65.15	14.40	79.55	45.00	5.75	50.75	110.15	20.15	130.30
% CHANGE MAY 1987:APR 1987	+114.3	-63.9	+82.0	-18.9	+18.3	-14.7	+59.9	-40.4	+44.4
MAY 1986	118.50	23.20	141.70	58.50	6.00	64.50	177.00	29.20	206.20
% CHANGE MAY 1987:MAY 1986	+17.8	-77.6	+2.2	-37.6	+13.3	-32.9	-0.5	-58.9	-8.8
YEAR TO DATE 1987	496.30	54.15	550.45	186.20	45.45	231.65	682.50	99.60	782.10
YEAR TO DATE 1986	668.25	73.10	741.35	248.00	25.85	273.85	916.25	98.95	1,015.20
% CHANGE 1987 : 1986	-25.7	-25.9	-25.8	-24.9	+75.8	-15.4	-25.5	+0.7	-23.0

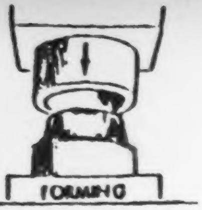
SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
MAY 1987	146.00	15.65	161.65	43.80	3.15	46.95	189.80	18.80	208.60
APR 1987	102.10	13.75	115.85	48.05	8.45	56.50	150.15	22.20	172.35
% CHANGE MAY 1987:APR 1987	+43.0	+13.8	+39.5	-8.8	-62.7	-16.9	+26.4	-15.3	+21.0
MAY 1986	153.10	19.35	172.45	54.00	3.10	57.10	207.10	22.45	229.55
% CHANGE MAY 1987:MAY 1986	-4.6	-19.1	-6.3	-18.9	+1.6	-17.8	-8.4	-16.3	-9.1
YEAR TO DATE 1987	559.20	67.45	626.65	201.60	29.50	231.10	760.80	96.95	857.75
YEAR TO DATE 1986	624.90	86.60	711.50	302.80	22.10	324.90	927.70	108.70	1,036.40
% CHANGE 1987 : 1986	-10.5	-22.1	-11.9	-33.4	+33.5	-28.9	-18.0	-10.8	-17.2

Source: National Machine Tool Builders' Association



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

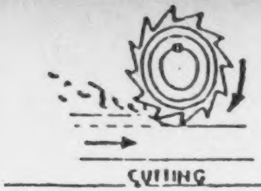


DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1986	$ 1,883.35	$ 241.95	$ 2,125.30	1,204.35	$ 2,306.05	$ 272.45	$ 2,578.50
1987							
JAN	$ 118.55	$ 28.10	$ 146.65	1,203.30	$ 135.35	$ 12.35	$ 147.70
FEB	$ 141.45	$ 11.40	$ 152.85	1,209.55	$ 131.45	$ 15.15	$ 146.60
MAR	$ 136.25	$ 27.95	$ 164.20	1,191.25	$ 154.05	$ 28.45	$ 182.50
APR	$ 110.15	$ 20.15	$ 130.30	1,149.20	$ 150.15	$ 22.20	$ 172.35
MAY (P)	$ 176.10	$ 12.00	$ 188.10	1,128.70	$ 189.80	$ 18.80	$ 208.60
5 MONTHS	$ 682.50	$ 99.60	$ 782.10		$ 760.80	$ 96.95	$ 857.75

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1986	$ 2,065.20	$ 257.20	$ 2,322.40	$ 181.85	$ 15.25	$ 197.10
1987						
JAN	$ 124.60	$ 28.20	$ 152.80	$ 6.05	$ .10	$ 6.15
FEB	$ 147.45	$ 13.60	$ 161.05	$ 6.00	$ 2.20	$ 8.20
MAR	$ 165.05	$ 30.05	$ 195.10	$ 28.80	$ 2.10	$ 30.90
APR	$ 119.60	$ 21.05	$ 140.65	$ 9.45	$ .90	$ 10.35
MAY (P)	$ 180.40	$ 12.95	$ 193.35	$ 4.30	$ .95	$ 5.25
5 MONTHS	$ 737.10	$ 105.85	$ 842.95	$ 54.60	$ 6.25	$ 60.85

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,376.55	$ 167.70	$ 1,544.25	897.25	$ 1,684.70	$ 205.60	$ 1,890.30
1987							
JAN	$ 85.65	$ 13.30	$ 98.95	884.95	$ 104.10	$ 7.15	$ 111.25
FEB	$ 98.35	$ 5.35	$ 103.70	889.40	$ 88.80	$ 10.45	$ 99.25
MAR	$ 107.55	$ 15.90	$ 123.45	874.20	$ 118.20	$ 20.45	$ 138.65
APR	$ 65.15	$ 14.40	$ 79.55	837.90	$ 102.10	$ 13.75	$ 115.85
MAY (P)	$ 139.60	$ 5.20	$ 144.80	821.05	$ 146.00	$ 15.65	$ 161.65
5 MONTHS	$ 496.30	$ 54.15	$ 550.45		$ 559.20	$ 67.45	$ 626.65

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 1,498.60	$ 176.35	$ 1,674.95	$ 122.05	$ 8.65	$ 130.70
1987						
JAN	$ 90.30	$ 13.35	$ 103.65	$ 4.65	$ .05	$ 4.70
FEB	$ 101.55	$ 7.50	$ 109.05	$ 3.20	$ 2.15	$ 5.35
MAR	$ 114.00	$ 17.95	$ 131.95	$ 6.45	$ 2.05	$ 8.50
APR	$ 73.35	$ 14.75	$ 88.10	$ 8.20	$ .35	$ 8.55
MAY (P)	$ 143.55	$ 5.60	$ 149.15	$ 3.95	$ .40	$ 4.35
5 MONTHS	$ 522.75	$ 59.15	$ 581.90	$ 26.45	$ 5.00	$ 31.45

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 506.80	$ 74.25	$ 581.05	307.10	$ 621.35	$ 66.85	$ 688.20
1987							
JAN	$ 32.90	$ 14.80	$ 47.70	318.35	$ 31.25	$ 5.20	$ 36.45
FEB	$ 43.10	$ 6.05	$ 49.15	320.15	$ 42.65	$ 4.70	$ 47.35
MAR	$ 28.70	$ 12.05	$ 40.75	317.05	$ 35.85	$ 8.00	$ 43.85
APR	$ 45.00	$ 5.75	$ 50.75	311.30	$ 48.05	$ 8.45	$ 56.50
MAY (P)	$ 36.50	$ 6.80	$ 43.30	307.65	$ 43.80	$ 3.15	$ 46.95
5 MONTHS	$ 186.20	$ 45.45	$ 231.65		$ 201.60	$ 29.50	$ 231.10

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40
1987						
JAN	$ 34.30	$ 14.85	$ 49.15	$ 1.40	$ .05	$ 1.45
FEB	$ 45.90	$ 6.10	$ 52.00	$ 2.80	$ .05	$ 2.85
MAR	$ 51.05	$ 12.10	$ 63.15	$ 22.35	$ .05	$ 22.40
APR	$ 46.25	$ 6.30	$ 52.55	$ 1.25	$ .55	$ 1.80
MAY (P)	$ 36.85	$ 7.35	$ 44.20	$ .35	$ .55	$ .90
5 MONTHS	$ 214.35	$ 46.70	$ 261.05	$ 28.15	$ 1.25	$ 29.40

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

7/30/87 A 8050-1A

News Release

national
machine
tool builders
association

FOR RELEASE: July 27, 1987
Contact: Charles Pollock
Michael Codel

MACHINE TOOL ORDERS RISE IN JUNE

Standing at $205.75 million, net new machine tool orders for June are 9.4% above the $188.10 million for May 1987 and 2.3% above the $201.15 million posted in June 1986, according to figures released today by the National Machine Tool Builders' Association. June machine tool shipments reached $233.45 million, rising 11.9% above May's $208.60 million, but dropping 25.2% from the $311.90 million level for June 1986.

"We are encouraged to see the industry's order pattern finally heading in the right direction," said James A. Gray, NMTBA president. "We understand that much of the recent improvement is related to the auto industry. While capital budgets are still fairly tight at the Big Three due to the poor sales of 1987, we were pleased to see them finally begin to release funds for projects that have been under consideration or on hold for many months. Additionally, the automakers' move to decrease costs by increasing outsourcing is having a stimulative effect on capital spending by the network of auto parts suppliers. With the improved competitive position of U.S. car firms due to the change in the value of the yen, we are hopeful that this trend will continue."

(MORE)

Net new machine tool orders for the first half of 1987 fell 18.8% to $987.85 million compared to their level for the first half of 1986, while shipments dropped 19.1% to $1,091.20 million.

Compared to May, metal cutting machine tool orders fell 20.4% in June, dropping from $144.80 million to $115.25 million and metal forming orders rose 109.0%, up from $43.30 million to $90.50 million. This represents a 26.5% drop in metal cutting orders and a 104.1% rise in metal forming orders compared to June a year ago. Year-to-date new order figures for metal cutting reflect a 25.9% drop while metal forming figures are up 1.2% in the same period.

Shipments of metal cutting equipment rose 2.3% for the month, reaching $165.40 million. Metal forming shipments for the month rose 44.9%, up to $68.05 million. Compared to June 1986, metal cutting machine tool shipments fell 32.4% and metal forming shipments rose 1.4%. Year-to-date figures for shipments of metal cutting and metal forming equipment fell 17.2% and 23.7%, respectively.

The machine tool order backlog for June 1987 fell to $1,101.00 million, down from $1,128.70 million for the previous month.

# # #

COMPARISON CHART

NET-NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

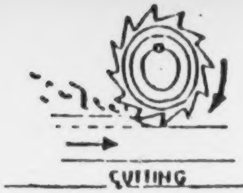
	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JUN 1987	99.15	16.10	115.25	78.45	12.05	90.50	177.60	28.15	205.75
MAY 1987	139.60	5.20	144.80	36.50	6.80	43.30	176.10	12.00	188.10
% CHANGE JUN 1987:MAY 1987	-29.0	+209.6	-20.4	+114.9	+77.2	+109.0	+0.9	+134.6	+9.4
JUN 1986	145.65	11.15	156.80	44.90	-.55	44.35	190.55	10.60	201.15
% CHANGE JUN 1987:JUN 1986	-31.9	+44.4	-26.5	+74.7	N/A	+104.1	-6.8	+165.6	+2.3
YEAR TO DATE 1987	595.45	70.25	665.70	264.65	57.50	322.15	860.10	127.75	987.85
YEAR TO DATE 1986	813.90	84.25	898.15	292.90	25.30	318.20	1,106.80	109.55	1,216.35
% CHANGE 1987 : 1986	-26.8	-16.6	-25.9	-9.6	+127.3	+1.2	-22.3	+16.6	-18.8

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

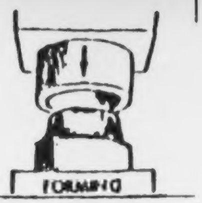
	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JUN 1987	148.50	16.90	165.40	54.65	13.40	68.05	203.15	30.30	233.45
MAY 1987	146.00	15.65	161.65	43.80	3.15	46.95	189.80	18.80	208.60
% CHANGE JUN 1987:MAY 1987	+1.7	+8.0	+2.3	+24.8	+325.4	+44.9	+7.0	+61.2	+11.9
JUN 1986	226.70	18.10	244.80	62.30	4.80	67.10	289.00	22.90	311.90
% CHANGE JUN 1987:JUN 1986	-34.5	-6.6	-32.4	-12.3	+179.2	+1.4	-29.7	+32.3	-25.2
YEAR TO DATE 1987	707.70	84.35	792.05	256.25	42.90	299.15	963.95	127.25	1,091.20
YEAR TO DATE 1986	851.60	104.70	956.30	365.10	26.90	392.00	1,216.70	131.60	1,348.30
% CHANGE 1987 : 1986	-16.9	-19.4	-17.2	-29.8	+59.5	-23.7	-20.8	-3.3	-19.1

Source: National Machine Tool Builders' Association

N/A - Not Applicable.



TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

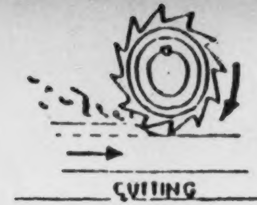


	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,883.35	$ 241.95	$ 2,125.30	1,204.35	$ 2,306.05	$ 272.45	$ 2,578.50
1987							
JAN	$ 118.55	$ 28.10	$ 146.65	1,203.30	$ 135.35	$ 12.35	$ 147.70
FEB	$ 141.45	$ 11.40	$ 152.85	1,209.55	$ 131.45	$ 15.15	$ 146.60
MAR	$ 136.25	$ 27.95	$ 164.20	1,191.25	$ 154.05	$ 28.45	$ 182.50
APR	$ 110.15	$ 20.15	$ 130.30	1,149.20	$ 150.15	$ 22.20	$ 172.35
MAY	$ 176.10	$ 12.00	$ 188.10	1,128.70	$ 189.80	$ 18.80	$ 208.60
JUN (P)	$ 177.60	$ 28.15	$ 205.75	1,101.00	$ 203.15	$ 30.30	$ 233.45
6 MONTHS	$ 860.10	$ 127.75	$ 987.85		$ 963.95	$ 127.25	$ 1,091.20

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 2,065.20	$ 257.20	$ 2,322.40	$ 181.85	$ 15.25	$ 197.10
1987						
JAN	$ 124.60	$ 28.20	$ 152.80	$ 6.05	$ .10	$ 6.15
FEB	$ 147.45	$ 13.60	$ 161.05	$ 6.00	$ 2.20	$ 8.20
MAR	$ 165.05	$ 30.05	$ 195.10	$ 28.80	$ 2.10	$ 30.90
APR	$ 119.60	$ 21.05	$ 140.65	$ 9.45	$ .90	$ 10.35
MAY	$ 180.40	$ 12.95	$ 193.35	$ 4.30	$ .95	$ 5.25
JUN (P)	$ 182.35	$ 28.80	$ 211.15	$ 4.75	$ .65	$ 5.40
6 MONTHS	$ 919.45	$ 134.65	$ 1,054.10	$ 59.35	$ 6.90	$ 66.25

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

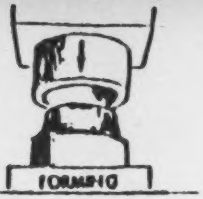
	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,376.55	$ 167.70	$ 1,544.25	897.25	$ 1,684.70	$ 205.60	$ 1,890.30
1987							
JAN	$ 85.65	$ 13.30	$ 98.95	884.95	$ 104.10	$ 7.15	$ 111.25
FEB	$ 98.35	$ 5.35	$ 103.70	889.40	$ 88.80	$ 10.45	$ 99.25
MAR	$ 107.55	$ 15.90	$ 123.45	874.20	$ 118.20	$ 20.45	$ 138.65
APR	$ 65.15	$ 14.40	$ 79.55	837.90	$ 102.10	$ 13.75	$ 115.85
MAY	$ 139.60	$ 5.20	$ 144.80	821.05	$ 146.00	$ 15.65	$ 161.65
JUN (P)	$ 99.15	$ 16.10	$ 115.25	770.90	$ 148.50	$ 16.90	$ 165.40
6 MONTHS	$ 595.45	$ 70.25	$ 665.70		$ 707.70	$ 84.35	$ 792.05

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 1,498.60	$ 176.35	$ 1,674.95	$ 122.05	$ 8.65	$ 130.70
1987						
JAN	$ 90.30	$ 13.35	$ 103.65	$ 4.65	$ .05	$ 4.70
FEB	$ 101.55	$ 7.50	$ 109.05	$ 3.20	$ 2.15	$ 5.35
MAR	$ 114.00	$ 17.95	$ 131.95	$ 6.45	$ 2.05	$ 8.50
APR	$ 73.35	$ 14.75	$ 88.10	$ 8.20	$ .35	$ 8.55
MAY	$ 143.55	$ 5.60	$ 149.15	$ 3.95	$ .40	$ 4.35
JUN (P)	$ 101.95	$ 16.60	$ 118.55	$ 2.80	$ .50	$ 3.30
6 MONTHS	$ 624.70	$ 75.75	$ 700.45	$ 29.25	$ 5.50	$ 34.75

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)



	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 506.80	$ 74.25	$ 581.05	307.10	$ 621.35	$ 66.85	$ 688.20
1987							
JAN	$ 32.90	$ 14.80	$ 47.70	318.35	$ 31.25	$ 5.20	$ 36.45
FEB	$ 43.10	$ 6.05	$ 49.15	320.15	$ 42.65	$ 4.70	$ 47.35
MAR	$ 28.70	$ 12.05	$ 40.75	317.05	$ 35.85	$ 8.00	$ 43.85
APR	$ 45.00	$ 5.75	$ 50.75	311.30	$ 48.05	$ 8.45	$ 56.50
MAY	$ 36.50	$ 6.80	$ 43.30	307.65	$ 43.80	$ 3.15	$ 46.95
JUN (P)	$ 78.45	$ 12.05	$ 90.50	330.10	$ 54.65	$ 13.40	$ 68.05
6 MONTHS	$ 264.65	$ 57.50	$ 322.15		$ 256.25	$ 42.90	$ 299.15

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40
1987						
JAN	$ 34.30	$ 14.85	$ 49.15	$ 1.40	$ .05	$ 1.45
FEB	$ 45.90	$ 6.10	$ 52.00	$ 2.80	$ .05	$ 2.85
MAR	$ 51.05	$ 12.10	$ 63.15	$ 22.35	$ .05	$ 22.40
APR	$ 46.25	$ 6.30	$ 52.55	$ 1.25	$ .55	$ 1.80
MAY	$ 36.85	$ 7.35	$ 44.20	$ .35	$ .55	$ .90
JUN (P)	$ 80.40	$ 12.20	$ 92.60	$ 1.95	$ .15	$ 2.10
6 MONTHS	$ 294.75	$ 58.90	$ 353.65	$ 30.10	$ 1.40	$ 31.50

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS

(Dollar Figures in Thousands)

1981 to Date

	Cutting and Forming			Cutting			Forming		
	SHIPMENTS		NET	SHIPMENTS		NET	SHIPMENTS		NET
DATE	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS
1981-1	$1,288,200	$210,800	$ 920,350	$1,017,850	$155,600	$ 706,600	$ 270,350	$ 55,200	$ 213,750
2	1,367,500	236,350	867,000	1,103,400	185,450	661,200	264,100	50,900	205,800
3	1,133,950	127,950	593,450	920,300	99,950	455,250	213,650	28,000	138,200
4	1,305,950	143,850	564,050	1,062,950	111,050	405,050	243,000	32,800	159,000
Total	$5,095,600	$718,950	$2,944,850	$4,104,500	$552,050	$2,228,100	$ 991,100	$ 166,900	$ 716,750
1982-1	$1,154,200	$112,650	$ 506,800	$ 933,050	$ 71,750	$ 384,850	$ 221,150	$ 40,900	$ 121,950
2	1,008,450	96,600	382,650	810,650	75,350	274,750	197,800	21,250	107,900
3	783,400	107,200	279,950	640,450	89,750	183,450	142,950	17,450	96,500
4	658,350	89,600	328,350	510,600	59,300	221,400	147,750	30,300	106,950
Total	$3,604,400	$406,050	$1,497,750	$2,894,750	$296,150	$1,064,450	$ 709,650	$ 109,900	$ 433,300
1983-1	$ 487,450	$ 56,650	$ 314,850	$ 370,600	$ 40,800	$ 224,100	$ 116,850	$ 15,850	$ 90,750
2	469,650	58,300	399,100	357,500	49,300	269,300	112,150	9,000	129,800
3	357,050	42,900	468,150	252,350	32,200	322,200	104,700	10,700	145,950
4	530,900	57,150	514,050	391,050	49,600	336,050	139,850	7,550	178,000
Total	$1,845,050	$215,000	$1,696,150	$1,371,500	$171,900	$1,151,650	$ 473,550	$ 43,100	$ 544,500
1984-1	$ 449,500	$ 40,550	$ 600,450	$ 298,100	$ 25,100	$ 412,750	$ 151,400	$ 15,450	$ 187,700
2	572,300	50,700	764,400	401,800	28,250	499,200	170,500	22,450	265,200
3	568,850	41,850	800,200	401,550	24,300	493,000	167,300	17,550	307,200
4	695,200	60,150	750,750	505,050	45,000	510,850	190,150	15,150	239,900
Total	$2,285,850	$193,250	$2,915,800	$1,606,500	$122,650	$1,915,800	$ 679,350	$ 70,600	$1,000,000
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4	680,850	76,650	449,300	515,300	51,400	302,050	165,550	25,250	147,250
Total	$2,578,500	$272,450	$2,125,300	$1,890,300	$205,600	$1,544,250	$ 688,200	$ 66,850	$ 581,050
1987-1	$ 476,800	$ 55,950	$ 463,700	$ 349,150	$ 38,050	$ 326,100	$ 127,650	$ 17,900	$ 137,600
2P	614,400	71,300	524,150	442,900	46,300	339,600	171,500	25,000	184,550
Total	$1,091,200	$127,250	$ 987,850	$ 792,050	$ 84,350	$ 665,700	$ 299,150	$ 42,900	$ 322,150

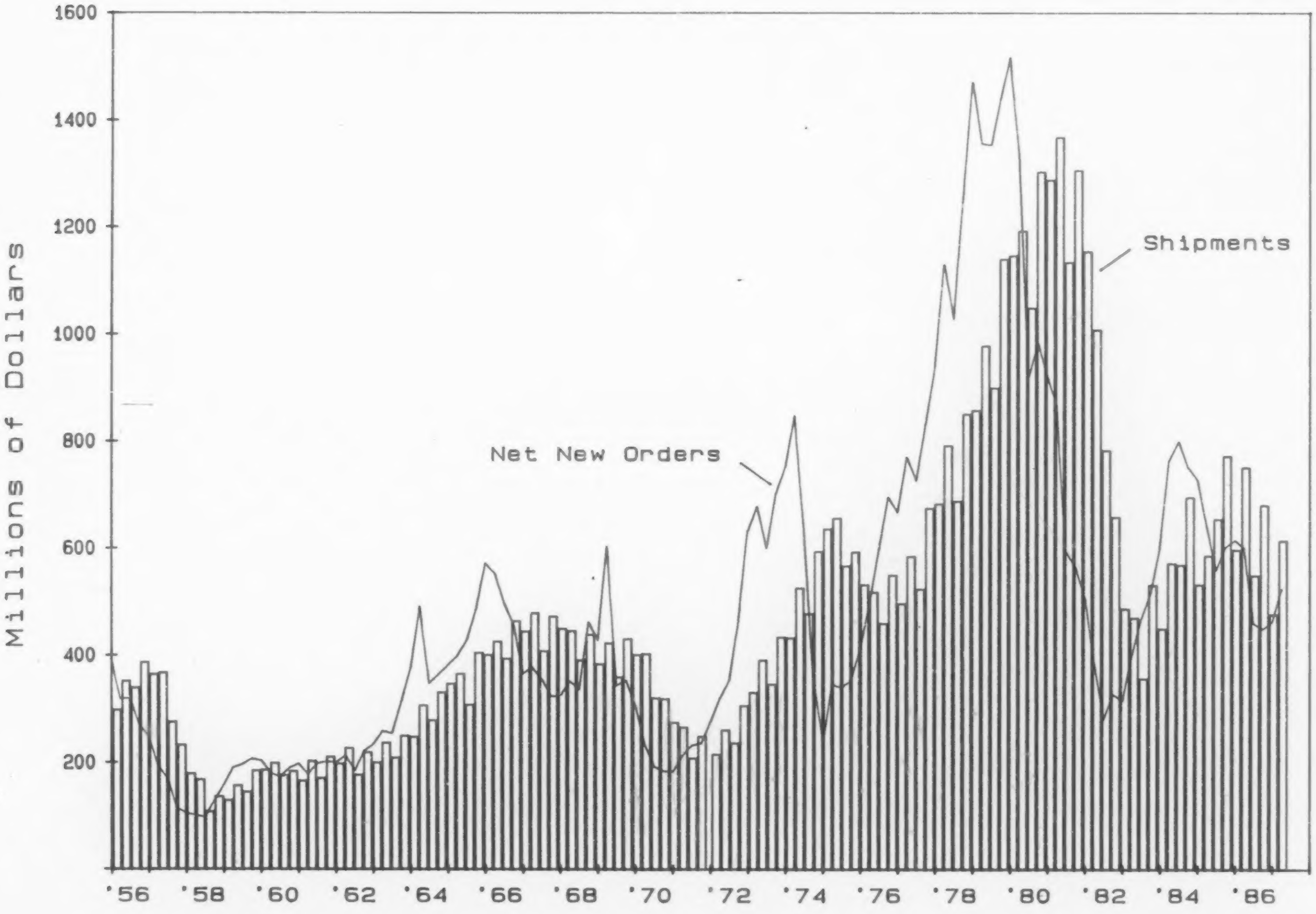
P - Preliminary

NOTE: These data series are available back to 1956. To obtain a copy of the tables for 1956 through 1987, contact: NMTBA Statistical Department, 7901 Westpark Drive, McLean, Virginia 22102-4269. Phone: 703:893-2900

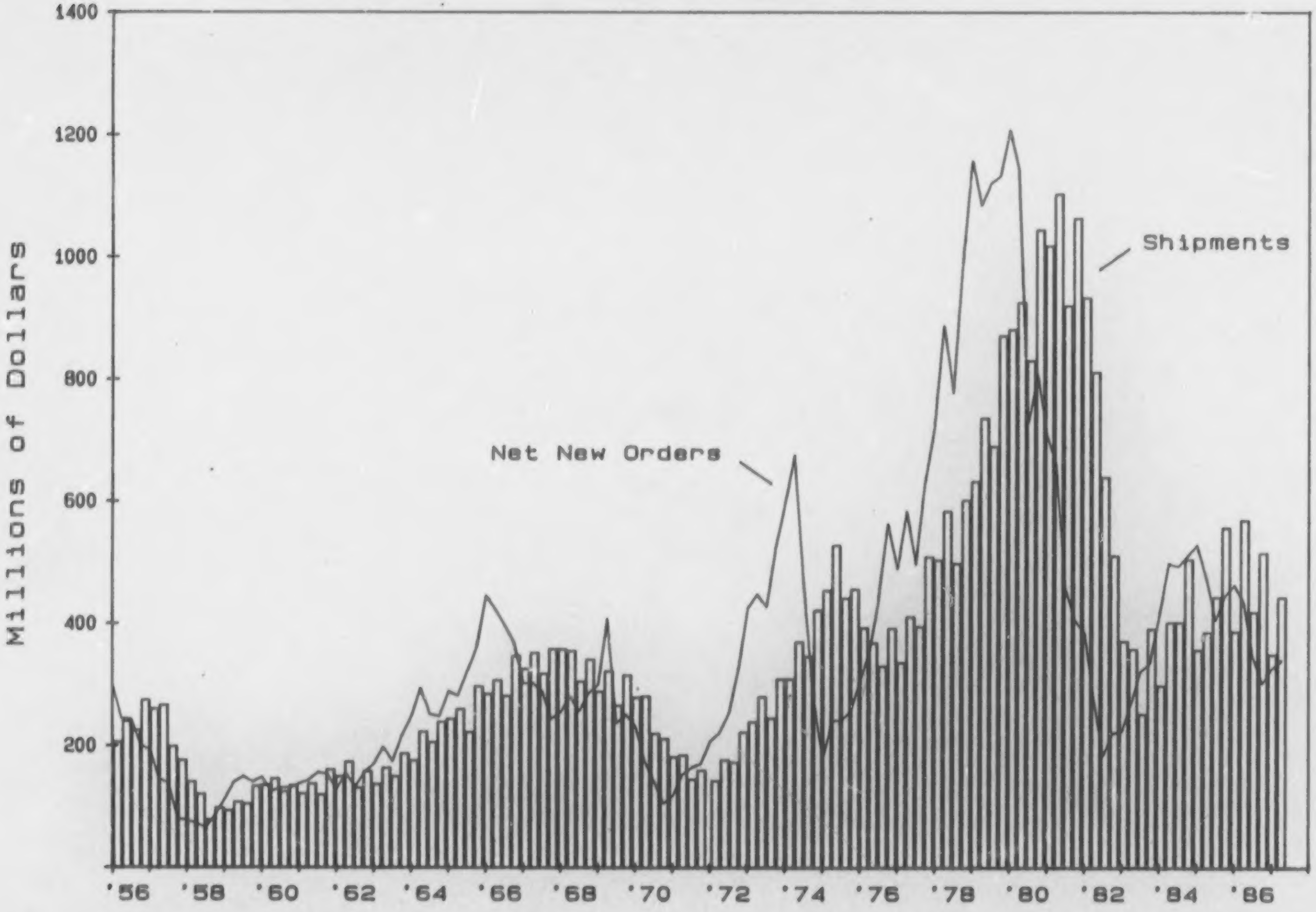
Source: National Machine Tool Builders' Association

July 27, 1987

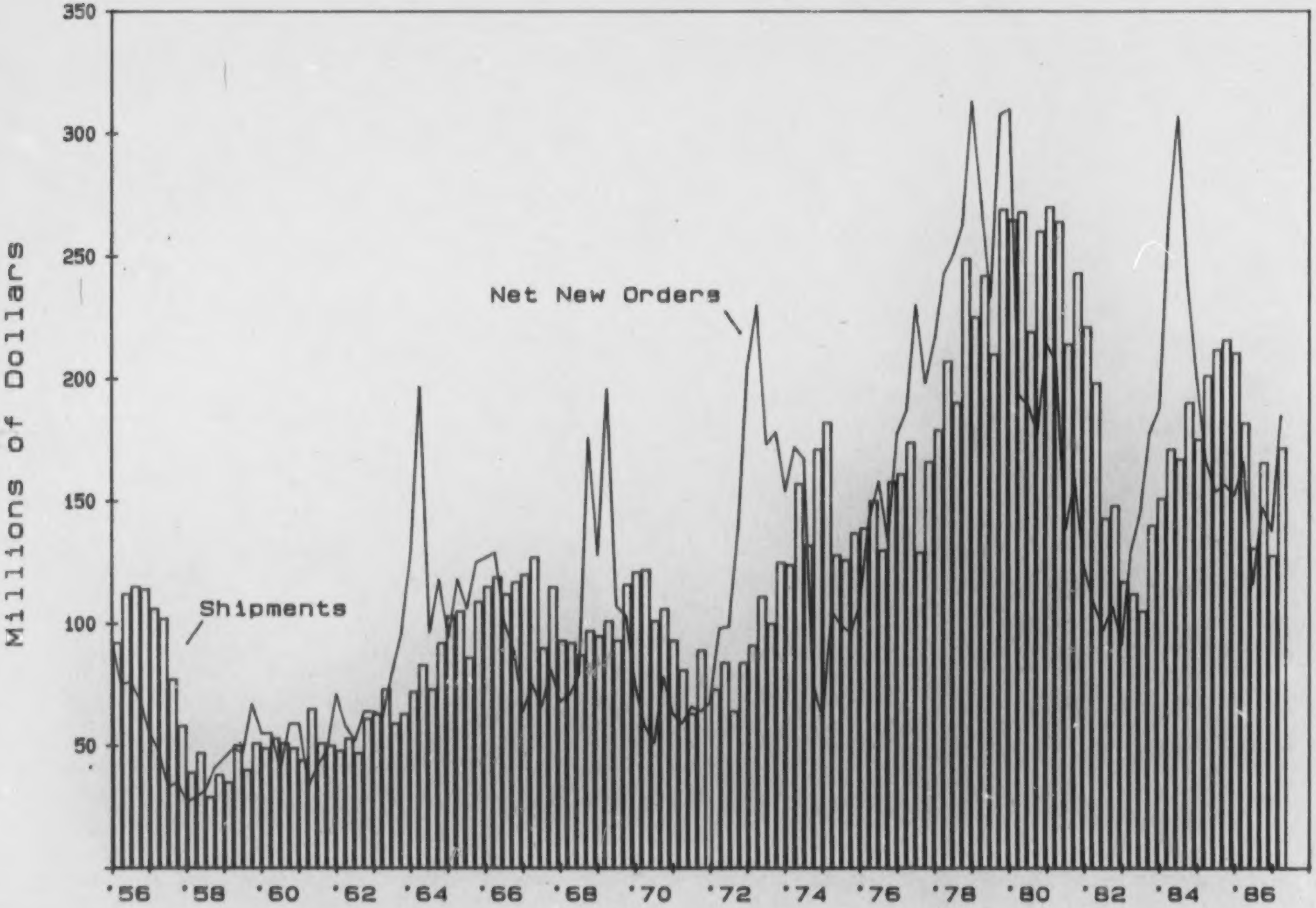
Total Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1987: 2



Metal Cutting Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1987: 2



Metal Forming Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1987: 2



8/28/87 A8050-1A

News Release

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machine
tool builders
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FOR RELEASE: August 31, 1987
Contact: Charles Pollock
Katy Tynberg

MACHINE TOOL ORDERS DOWN IN JULY

Net new machine tool orders for July fell to $162.85 million according to figures released today by the National Machine Tool Builders' Association. This represents a monthly drop of 19.7% from the June 1987 total of $202.75 million and a yearly drop of 4.2% from the July 1986 total of $170.00 million. Year-to-date machine tool orders are down 17.2% compared to the same period in 1986.

July metal cutting machine tool orders fell to $102.15 million, down 11.1% from the previous month and down 20.7% compared to July a year ago. Metal forming orders for July stood at $60.70 million, a 30.9% drop from June, but up 47.3% when compared to July a year ago.

"At this time of year, a drop in new orders is characteristic of the machine tool industry so it is difficult to interpret this month's data," said James A. Gray, president of the National Machine Tool Builders' Association. "We are hopeful that as we move into fall the improving trend that emerged in the late spring and early summer will continue. With the dollar at a much more realistic level than it has been in many years, American-made machine tools are becoming more competitive in the international market, a fact

(MORE)

reflected in our improving export orders." He added, "The improved exchange rate improves our competitive stance in the domestic market as well, with foreign manufactured machine tools no longer the bargain they once were. All things considered, we look forward to steady improvement in the coming months."

Machine tool shipments for July stood at $197.80 million, down 15.2% from the $233.15 million posted for the previous month. This figure represents a rise of 4.1% over July 1986. However, year-to-date combined shipment figures are down 16.2% compared to the same period in 1986.

July shipments of metal cutting equipment fell to $136.30 million, a drop of 17.4% for the month, and a drop of 8.6% compared to July 1986. Metal forming shipments for July totaled $61.50 million. This figure represents a 9.6% monthly drop and a 50.2% rise compared to July a year ago.

Machine tool backlogs for July 1987 fell to $1,063.35 million, down from $1,098.30 million for June.

# # #

COMPARISON CHART

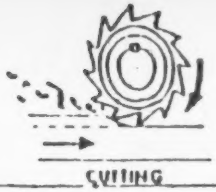
NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

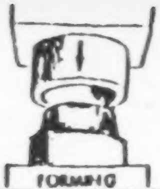
	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JUL 1987	84.65	17.50	102.15	46.10	14.60	60.70	130.75	32.10	162.85
JUN 1987	98.85	16.10	114.95	78.45	9.35	87.80	177.30	25.45	202.75
% CHANGE JUL 1987:JUN 1987	-14.4	+8.7	-11.1	-41.2	+56.1	-30.9	-26.3	+26.1	-19.7
JUL 1986	99.25	29.55	128.80	36.05	5.15	41.20	135.30	34.70	170.00
% CHANGE JUL 1987:JUL 1986	-14.7	-40.8	-20.7	+27.9	+183.5	+47.3	-3.4	-7.5	-4.2
YEAR TO DATE 1987	679.80	87.75	767.55	310.75	69.40	380.15	990.55	157.15	1,147.70
YEAR TO DATE 1986	913.15	113.80	1,026.95	328.95	30.45	359.40	1,242.10	144.25	1,386.35
% CHANGE 1987 : 1986	-25.6	-22.9	-25.3	-5.5	+127.9	+5.8	-20.3	+8.9	-17.2

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JUL 1987	127.90	8.40	136.30	54.35	7.15	61.50	182.25	15.55	197.80
JUN 1987	148.20	16.90	165.10	54.65	13.40	68.05	202.85	30.30	233.15
% CHANGE JUL 1987:JUN 1987	-13.7	-50.3	-17.4	-0.5	-46.6	-9.6	-10.2	-48.7	-15.2
JUL 1986	135.90	13.20	149.10	36.60	4.35	40.95	172.50	17.55	190.05
% CHANGE JUL 1987:JUL 1986	-5.9	-36.4	-8.6	+48.5	+64.4	+50.2	+5.7	-11.4	+4.1
YEAR TO DATE 1987	835.30	92.75	928.05	310.60	50.05	360.65	1,145.90	142.80	1,288.70
YEAR TO DATE 1986	987.50	117.90	1,105.40	401.70	31.25	432.95	1,389.20	149.15	1,538.35
% CHANGE 1987 : 1986	-15.4	-21.3	-16.0	-22.7	+60.2	-16.7	-17.5	-4.3	-16.2

Source: National Machine Tool Builders' Association





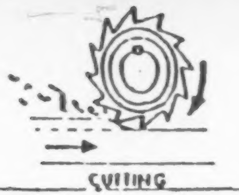
TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,883.35	$ 241.95	$ 2,125.30	1,204.35	$ 2,306.05	$ 272.45	$ 2,578.50
1987							
JAN	$ 118.55	$ 28.10	$ 146.65	1,203.30	$ 135.35	$ 12.35	$ 147.70
FEB	$ 141.45	$ 11.40	$ 152.85	1,209.55	$ 131.45	$ 15.15	$ 146.60
MAR	$ 136.25	$ 27.95	$ 164.20	1,191.25	$ 154.05	$ 28.45	$ 182.50
APR	$ 110.15	$ 20.15	$ 130.30	1,149.20	$ 150.15	$ 22.20	$ 172.35
MAY	$ 176.10	$ 12.00	$ 188.10	1,128.70	$ 189.80	$ 18.80	$ 208.60
JUN	$ 177.30	$ 25.45	$ 202.75	1,098.30	$ 202.85	$ 30.30	$ 233.15
JUL (P)	$ 130.75	$ 32.10	$ 162.85	1,063.35	$ 182.25	$ 15.55	$ 197.80
7 MONTHS	$ 990.55	$ 157.15	$ 1,147.70		$ 1,145.90	$ 142.80	$ 1,288.70

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 2,065.20	$ 257.20	$ 2,322.40	$ 181.85	$ 15.25	$ 197.10
1987						
JAN	$ 124.60	$ 28.20	$ 152.80	$ 6.05	$ .10	$ 6.15
FEB	$ 147.45	$ 13.60	$ 161.05	$ 6.00	$ 2.20	$ 8.20
MAR	$ 165.05	$ 30.05	$ 195.10	$ 28.80	$ 2.10	$ 30.90
APR	$ 119.60	$ 21.05	$ 140.65	$ 9.45	$ .90	$ 10.35
MAY	$ 180.40	$ 12.95	$ 193.35	$ 4.30	$ .95	$ 5.25
JUN	$ 182.05	$ 26.10	$ 208.15	$ 4.75	$ .65	$ 5.40
JUL (P)	$ 143.80	$ 32.20	$ 176.00	$ 13.05	$ .10	$ 13.15
7 MONTHS	$ 1,062.95	$ 164.15	$ 1,227.10	$ 72.40	$ 7.00	$ 79.40

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



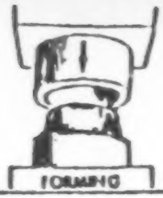
INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,376.55	$ 167.70	$ 1,544.25	897.25	$ 1,684.70	$ 205.60	$ 1,890.30
1987							
JAN	$ 85.65	$ 13.30	$ 98.95	884.95	$ 104.10	$ 7.15	$ 111.25
FEB	$ 98.35	$ 5.35	$ 103.70	889.40	$ 88.80	$ 10.45	$ 99.25
MAR	$ 107.55	$ 15.90	$ 123.45	874.20	$ 118.20	$ 20.45	$ 138.65
APR	$ 65.15	$ 14.40	$ 79.55	837.90	$ 102.10	$ 13.75	$ 115.85
MAY	$ 139.60	$ 5.20	$ 144.80	821.05	$ 146.00	$ 15.65	$ 161.65
JUN	$ 98.85	$ 16.10	$ 114.95	770.90	$ 148.20	$ 16.90	$ 165.10
JUL (P)	$ 84.65	$ 17.50	$ 102.15	736.75	$ 127.90	$ 8.40	$ 136.30
7 MONTHS	$ 679.80	$ 87.75	$ 767.55		$ 835.30	$ 92.75	$ 928.05

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 1,498.60	$ 176.35	$ 1,674.95	$ 122.05	$ 8.65	$ 130.70
1987						
JAN	$ 90.30	$ 13.35	$ 103.65	$ 4.65	$ .05	$ 4.70
FEB	$ 101.55	$ 7.50	$ 109.05	$ 3.20	$ 2.15	$ 5.35
MAR	$ 114.00	$ 17.95	$ 131.95	$ 6.45	$ 2.05	$ 8.50
APR	$ 73.35	$ 14.75	$ 88.10	$ 8.20	$ .35	$ 8.55
MAY	$ 143.55	$ 5.60	$ 149.15	$ 3.95	$ .40	$ 4.35
JUN	$ 101.65	$ 16.60	$ 118.25	$ 2.80	$ .50	$ 3.30
JUL (P)	$ 96.40	$ 17.55	$ 113.95	$ 11.75	$ .05	$ 11.80
7 MONTHS	$ 720.80	$ 93.30	$ 814.10	$ 41.00	$ 5.55	$ 46.55

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 506.80	$ 74.25	$ 581.05	307.10	$ 621.35	$ 66.85	$ 688.20
1987							
JAN	$ 32.90	$ 14.80	$ 47.70	318.35	$ 31.25	$ 5.20	$ 36.45
FEB	$ 43.10	$ 6.05	$ 49.15	320.15	$ 42.65	$ 4.70	$ 47.35
MAR	$ 28.70	$ 12.05	$ 40.75	317.05	$ 35.85	$ 8.00	$ 43.85
APR	$ 45.00	$ 5.75	$ 50.75	311.30	$ 48.05	$ 8.45	$ 56.50
MAY	$ 36.50	$ 6.80	$ 43.30	307.65	$ 43.80	$ 3.15	$ 46.95
JUN	$ 78.45	$ 9.35	$ 87.80	327.40	$ 54.65	$ 13.40	$ 68.05
JUL (P)	$ 46.10	$ 14.60	$ 60.70	326.60	$ 54.35	$ 7.15	$ 61.50
7 MONTHS	$ 310.75	$ 69.40	$ 380.15		$ 310.60	$ 50.05	$ 360.65

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40
1987						
JAN	$ 34.30	$ 14.85	$ 49.15	$ 1.40	$ .05	$ 1.45
FEB	$ 45.90	$ 6.10	$ 52.00	$ 2.80	$ .05	$ 2.85
MAR	$ 51.05	$ 12.10	$ 63.15	$ 22.35	$ .05	$ 22.40
APR	$ 46.25	$ 6.30	$ 52.55	$ 1.25	$ .55	$ 1.80
MAY	$ 36.85	$ 7.35	$ 44.20	$ .35	$ .55	$ .90
JUN	$ 80.40	$ 9.50	$ 89.90	$ 1.95	$ .15	$ 2.10
JUL (P)	$ 47.40	$ 14.65	$ 62.05	$ 1.30	$ .05	$ 1.35
7 MONTHS	$ 342.15	$ 70.85	$ 413.00	$ 31.40	$ 1.45	$ 32.85

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

9/23/87 A8050-1

News Release

national
machine
tool builders'
association

FOR RELEASE: September 28, 1987
Contact: Charles Pollock

AUGUST MACHINE TOOL ORDERS DOWN

August net new machine tool orders fell to $142.30 million according to figures released today by the National Machine Tool Builders' Association. This figure is 12.7% below the July 1987 total of $163.00 million and 7.8% below the August 1986 total of $154.40 million. Compared to the same period in 1986, machine tool order are down 16.3% for the first eight months of 1987.

From July to August metal cutting machine tool orders fell by 4.8% to $97.20 million, while metal forming equipment orders fell by 25.9% to $45.10 million. Compared to August a year ago, metal cutting orders are down 15.6% and metal forming orders are up by 14.8%.

"As summer draws to a close, we look toward the fall with both hope and concern," said James A. Gray, president of the National Machine Tool Builders' Association. "The machine tool trade deficit continues to improve. We are doing better in foreign markets and competing better against foreign companies in the U.S. market. On the other hand, when the tax reform bill was passed last year, we warned of the negative effects that it would have on capital spending. Our nation's industry cannot long afford tax laws that

(MORE)

discourage investment. This is a period of change for American companies, and it is a period of both opportunity and risk for our industry. We are working hard to continue to regain our share of the international market and to improve our market position here at home, in spite of the negative effect of our tax laws."

Machine tool shipments for August fell to $157.95 million, down 20.1% from July. This figure represents a rise of 4.4% over August 1986. However, year-to-date combined shipment figures are down 14.4% compared to the same period in 1986.

August shipments of metal cutting equipment fell to $118.35 million, a drop of 13.2% for the month, while shipments of metal forming equipment dropped to $39.60 million, off 35.6% for the month. Compared to August 1986, shipments of metal cutting equipment rose 9.3% and metal forming shipments fell 8.1%.

Machine tool backlogs for August 1987 fell to $1,047.85 million, down from $1,063.50 million for July.

# # #

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS

(Millions of Dollars)

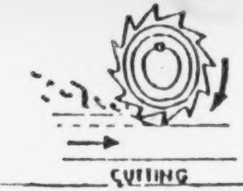
	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
AUG 1987	91.10	6.10	97.20	36.50	8.60	45.10	127.60	14.70	142.30
JUL 1987	84.60	17.50	102.10	43.90	17.00	60.90	128.50	34.50	163.00
% CHANGE AUG 1987:JUL 1987	+7.7	-65.1	-4.8	-16.9	-49.4	-25.9	-0.7	-57.4	-12.7
AUG 1986	108.60	6.50	115.10	30.40	8.90	39.30	139.00	15.40	154.40
% CHANGE AUG 1987:AUG 1986	-16.1	-6.2	-15.6	+20.1	-3.4	+14.8	-8.2	-4.5	-7.8
YEAR TO DATE 1987	770.85	93.85	864.70	345.05	80.40	425.45	1,115.90	174.25	1,290.15
YEAR TO DATE 1986	1,021.75	120.30	1,142.05	359.35	39.35	398.70	1,381.10	159.65	1,540.75
% CHANGE 1987 : 1986	-24.6	-22.0	-24.3	-4.0	+104.3	+6.7	-19.2	+9.1	-16.3

SHIPMENTS -- MACHINE TOOLS

(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
AUG 1987	99.85	18.50	118.35	33.25	6.35	39.60	133.10	24.85	157.95
JUL 1987	127.90	8.40	136.30	54.35	7.15	61.50	182.25	15.55	197.80
% CHANGE AUG 1987:JUL 1987	-21.9	+120.2	-13.2	-38.8	-11.2	-35.6	-27.0	+59.8	-20.1
AUG 1986	92.50	15.75	108.25	39.05	4.05	43.10	131.55	19.80	151.35
% CHANGE AUG 1987:AUG 1986	+7.9	+17.5	+9.3	-14.9	+56.8	-8.1	+1.2	+25.5	+4.4
YEAR TO DATE 1987	935.15	111.25	1,046.40	343.85	56.40	400.25	1,279.00	167.65	1,446.65
YEAR TO DATE 1986	1,080.00	133.65	1,213.65	440.75	35.30	476.05	1,520.75	168.95	1,689.70
% CHANGE 1987 : 1986	-13.4	-16.8	-13.8	-22.0	+59.8	-15.9	-15.9	-0.8	-14.4

Source: National Machine Tool Builders' Association



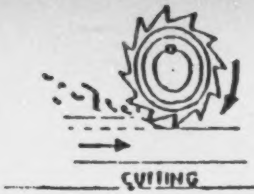
TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS – CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,883.35	$ 241.95	$ 2,125.30	1,204.35	$ 2,306.05	$ 272.45	$ 2,578.50
1987							
JAN	$ 118.55	$ 28.10	$ 146.65	1,203.30	$ 135.35	$ 12.35	$ 147.70
FEB	$ 141.45	$ 11.40	$ 152.85	1,209.55	$ 131.45	$ 15.15	$ 146.60
MAR	$ 136.25	$ 27.95	$ 164.20	1,191.25	$ 154.05	$ 28.45	$ 182.50
APR	$ 110.15	$ 20.15	$ 130.30	1,149.20	$ 150.15	$ 22.20	$ 172.35
MAY	$ 176.10	$ 12.00	$ 188.10	1,128.70	$ 189.80	$ 18.80	$ 208.60
JUN	$ 177.30	$ 25.45	$ 202.75	1,098.30	$ 202.85	$ 30.30	$ 233.15
JUL	$ 128.50	$ 34.50	$ 163.00	1,063.50	$ 182.25	$ 15.55	$ 197.80
AUG (P)	$ 127.60	$ 14.70	$ 142.30	1,047.85	$ 133.10	$ 24.85	$ 157.95
8 MONTHS	$ 1,115.90	$ 174.25	$ 1,290.15		$ 1,279.00	$ 167.65	$ 1,446.65

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 2,065.20	$ 257.20	$ 2,322.40	$ 181.85	$ 15.25	$ 197.10
1987						
JAN	$ 124.60	$ 28.20	$ 152.80	$ 6.05	$ .10	$ 6.15
FEB	$ 147.45	$ 13.60	$ 161.05	$ 6.00	$ 2.20	$ 8.20
MAR	$ 165.05	$ 30.05	$ 195.10	$ 28.80	$ 2.10	$ 30.90
APR	$ 119.60	$ 21.05	$ 140.65	$ 9.45	$ .90	$ 10.35
MAY	$ 180.40	$ 12.95	$ 193.35	$ 4.30	$ .95	$ 5.25
JUN	$ 182.05	$ 26.10	$ 208.15	$ 4.75	$ .65	$ 5.40
JUL	$ 141.60	$ 34.60	$ 176.20	$ 13.10	$ .10	$ 13.20
AUG (P)	$ 137.80	$ 15.75	$ 153.55	$ 10.20	$ 1.05	$ 11.25
8 MONTHS	$ 1,198.55	$ 182.30	$ 1,380.85	$ 82.65	$ 8.05	$ 90.70

P – Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,376.55	$ 167.70	$ 1,544.25	897.25	$ 1,684.70	$ 205.60	$ 1,890.30
1987							
JAN	$ 85.65	$ 13.30	$ 98.95	884.95	$ 104.10	$ 7.15	$ 111.25
FEB	$ 98.35	$ 5.35	$ 103.70	889.40	$ 88.80	$ 10.45	$ 99.25
MAR	$ 107.55	$ 15.90	$ 123.45	874.20	$ 118.20	$ 20.45	$ 138.65
APR	$ 65.15	$ 14.40	$ 79.55	837.90	$ 102.10	$ 13.75	$ 115.85
MAY	$ 139.60	$ 5.20	$ 144.80	821.05	$ 146.00	$ 15.65	$ 161.65
JUN	$ 98.85	$ 16.10	$ 114.95	770.90	$ 148.20	$ 16.90	$ 165.10
JUL	$ 84.60	$ 17.50	$ 102.10	736.70	$ 127.90	$ 8.40	$ 136.30
AUG (P)	$ 91.10	$ 6.10	$ 97.20	715.55	$ 99.85	$ 18.50	$ 118.35
8 MONTHS	$ 770.85	$ 93.85	$ 864.70		$ 935.15	$ 111.25	$ 1,046.40

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 1,498.60	$ 176.35	$ 1,674.95	$ 122.05	$ 8.65	$ 130.70
1987						
JAN	$ 90.30	$ 13.35	$ 103.65	$ 4.65	$ .05	$ 4.70
FEB	$ 101.55	$ 7.50	$ 109.05	$ 3.20	$ 2.15	$ 5.35
MAR	$ 114.00	$ 17.95	$ 131.95	$ 6.45	$ 2.05	$ 8.50
APR	$ 73.35	$ 14.75	$ 88.10	$ 8.20	$ .35	$ 8.55
MAY	$ 143.55	$ 5.60	$ 149.15	$ 3.95	$ .40	$ 4.35
JUN	$ 101.65	$ 16.60	$ 118.25	$ 2.80	$ .50	$ 3.30
JUL	$ 96.40	$ 17.55	$ 113.95	$ 11.80	$ .05	$ 11.85
AUG (P)	$ 94.85	$ 6.55	$ 101.40	$ 3.75	$ .45	$ 4.20
8 MONTHS	$ 815.65	$ 99.85	$ 915.50	$ 44.80	$ 6.00	$ 50.80

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS				SHIPMENTS		
DATE	Domestic	Foreign	Total	Order Backlog	Domestic	Foreign	Total
1986	$ 506.80	$ 74.25	$ 581.05	307.10	$ 621.35	$ 66.85	$ 688.20
1987							
JAN	$ 32.90	$ 14.80	$ 47.70	318.35	$ 31.25	$ 5.20	$ 36.45
FEB	$ 43.10	$ 6.05	$ 49.15	320.15	$ 42.65	$ 4.70	$ 47.35
MAR	$ 28.70	$ 12.05	$ 40.75	317.05	$ 35.85	$ 8.00	$ 43.85
APR	$ 45.00	$ 5.75	$ 50.75	311.30	$ 48.05	$ 8.45	$ 56.50
MAY	$ 36.50	$ 6.80	$ 43.30	307.65	$ 43.80	$ 3.15	$ 46.95
JUN	$ 78.45	$ 9.35	$ 87.80	327.40	$ 54.65	$ 13.40	$ 68.05
JUL	$ 43.90	$ 17.00	$ 60.90	326.80	$ 54.35	$ 7.15	$ 61.50
AUG (P)	$ 36.50	$ 8.60	$ 45.10	332.30	$ 33.25	$ 6.35	$ 39.60
8 MONTHS	$ 345.05	$ 80.40	$ 425.45		$ 343.85	$ 56.40	$ 400.25

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40
1987						
JAN	$ 34.30	$ 14.85	$ 49.15	$ 1.40	$ .05	$ 1.45
FEB	$ 45.90	$ 6.10	$ 52.00	$ 2.80	$ .05	$ 2.85
MAR	$ 51.05	$ 12.10	$ 63.15	$ 22.35	$ .05	$ 22.40
APR	$ 46.25	$ 6.30	$ 52.55	$ 1.25	$ .55	$ 1.80
MAY	$ 36.85	$ 7.35	$ 44.20	$ .35	$ .55	$ .90
JUN	$ 80.40	$ 9.50	$ 89.90	$ 1.95	$ .15	$ 2.10
JUL	$ 45.20	$ 17.05	$ 62.25	$ 1.30	$ .05	$ 1.35
AUG (P)	$ 42.95	$ 9.20	$ 52.15	$ 6.45	$ .60	$ 7.05
8 MONTHS	$ 382.90	$ 82.45	$ 465.35	$ 37.85	$ 2.05	$ 39.90

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

11/2/87 A8050-1

News Release

national machine tool builders association
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TLX: 353819 NMTBA MCLN

FOR RELEASE: October 26, 1987
Contact: Charles Pollock

MACHINE TOOL ORDERS RISE IN SEPTEMBER

Net new machine tool orders rose 29.0% in September according to figures released today by the National Machine Tool Builders' Association. The $183.15 million total for the month represents a 31.8% rise to $127.00 million in orders for metal cutting equipment and a 23.0% rise to $56.15 million in metal forming orders.

Compared to September a year ago, combined machine tool orders are up 35.4%, with metal cutting equipment orders up 26.8% and metal forming up 60.0%. Year-to-date orders for 1987 are still off 12.1% compared to 1986, with metal cutting down 20.2% and metal forming up 11.1%.

James A. Gray, president of the National Machine Tool Builders' Association, said, "We are very pleased to see a rise in new orders for both the metal cutting and the metal forming sectors of the industry. We hope that the domestic climate for capital investment and industrial expansion and modernization continues. The fact that export orders for the first nine months of the year are up 10% compared to 1986 is particularly gratifying. America's machine tool manufacturers have been working hard to take advantage of the

(MORE)

improved trade situation. They know that this is their opportunity to show that they produce the best and most modern equipment available anywhere in the world.

"If domestic demand continues to remain strong and our export efforts continue to bear fruit, 1988 could show significant improvement for the machine tool industry."

Total machine tool shipments for September 1987 rose 27.1% to $201.25 million. Shipments of metal cutting machine tools were up 22.0% to $144.40 million and shipments of metal forming equipment were up 41.9% to $56.85 million.

Compared to September a year ago, total shipments were off 3.2%, with metal cutting shipments down 10.5% and metal forming shipments up 22.0%. The year-to-date total shipment figure stands at $1,648.35 million, a 13.1% drop compared to the same period a year ago. This figure represents a 13.4% drop in metal cutting shipments and a 12.5% drop in metal forming shipments for the period.

Machine tool backlogs for September 1987 fell to $1,029.00 million, down from $1,047.10 million for August.

# # #

COMPARISON CHART

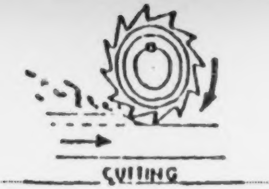
NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
SEP 1987	118.65	8.35	127.00	40.00	16.15	56.15	158.65	24.50	183.15
AUG 1987	90.25	6.10	96.35	36.60	9.05	45.65	126.85	15.15	142.00
% CHANGE SEP 1987:AUG 1987	+31.5	+[illegible].9	+31.8	+9.3	+78.5	+23.0	+25.1	+61.7	+29.0
SEP 1986	89.95	10.20	100.15	23.65	11.45	35.10	113.60	21.65	135.25
% CHANGE SEP 1987:SEP 1986	+31.9	-18.1	+26.8	+69.1	+41.0	+60.0	+39.7	+13.2	+35.4
YEAR TO DATE 1987	888.65	102.20	990.85	385.15	97.00	482.15	1,273.80	199.20	1,473.00
YEAR TO DATE 1986	1,111.70	130.50	1,242.20	383.00	50.80	433.80	1,494.70	181.30	1,676.00
% CHANGE 1987 : 1986	-20.1	-21.7	-20.2	+0.6	+90.9	+11.1	-14.8	+9.9	-12.1

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
SEP 1987	127.90	16.50	144.40	47.65	9.20	56.85	175.55	25.70	201.25
AUG 1987	99.85	18.50	118.35	33.60	6.45	40.05	133.45	24.95	158.40
% CHANGE SEP 1987:AUG 1987	+28.1	-10.8	+22.0	+41.8	+42.6	+41.9	+31.5	+3.0	+27.1
SEP 1986	140.80	20.55	161.35	40.30	6.30	46.60	181.10	26.85	207.95
% CHANGE SEP 1987:SEP 1986	-9.2	-19.7	-10.5	+18.2	+46.0	+22.0	-3.1	-4.3	-3.2
YEAR TO DATE 1987	1,063.05	127.75	1,190.80	391.85	65.70	457.55	1,454.90	193.45	1,648.35
YEAR TO DATE 1986	1,220.80	154.20	1,375.00	481.05	41.60	522.65	1,701.85	195.80	1,897.65
% CHANGE 1987 : 1986	-12.9	-17.2	-13.4	-18.5	+57.9	-12.5	-14.5	-1.2	-13.1

Source: National Machine Tool Builders' Association



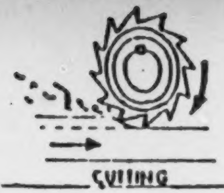
TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS			Order	SHIPMENTS		
	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 1,883.35	$ 241.95	$ 2,125.30	1,204.35	$ 2,306.05	$ 272.45	$ 2,578.50
1987							
JAN	$ 118.55	$ 28.10	$ 146.65	1,203.30	$ 135.35	$ 12.35	$ 147.70
FEB	$ 141.45	$ 11.40	$ 152.85	1,209.55	$ 131.45	$ 15.15	$ 146.60
MAR	$ 136.25	$ 27.95	$ 164.20	1,191.25	$ 154.05	$ 28.45	$ 182.50
APR	$ 110.15	$ 20.15	$ 130.30	1,149.20	$ 150.15	$ 22.20	$ 172.35
MAY	$ 176.10	$ 12.00	$ 188.10	1,128.70	$ 189.80	$ 18.80	$ 208.60
JUN	$ 177.30	$ 25.45	$ 202.75	1,098.30	$ 202.85	$ 30.30	$ 233.15
JUL	$ 128.50	$ 34.50	$ 163.00	1,063.50	$ 182.25	$ 15.55	$ 197.80
AUG	$ 126.85	$ 15.15	$ 142.00	1,047.10	$ 133.45	$ 24.95	$ 158.40
SEP (P)	$ 158.65	$ 24.50	$ 183.15	1,029.00	$ 175.55	$ 25.70	$ 201.25
9 MONTHS	$ 1,273.80	$ 199.20	$ 1,473.00		$ 1,454.90	$ 193.45	$ 1,648.35

DATE	GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 2,065.20	$ 257.20	$ 2,322.40	$ 181.85	$ 15.25	$ 197.10
1987						
JAN	$ 124.60	$ 28.20	$ 152.80	$ 6.05	$ .10	$ 6.15
FEB	$ 147.45	$ 13.60	$ 161.05	$ 6.00	$ 2.20	$ 8.20
MAR	$ 165.05	$ 30.05	$ 195.10	$ 28.80	$ 2.10	$ 30.90
APR	$ 119.60	$ 21.05	$ 140.65	$ 9.45	$ .90	$ 10.35
MAY	$ 180.40	$ 12.95	$ 193.35	$ 4.30	$ .95	$ 5.25
JUN	$ 182.05	$ 26.10	$ 208.15	$ 4.75	$ .65	$ 5.40
JUL	$ 141.60	$ 34.60	$ 176.20	$ 13.10	$ .10	$ 13.20
AUG	$ 137.10	$ 16.20	$ 153.30	$ 10.25	$ 1.05	$ 11.30
SEP (P)	$ 168.90	$ 28.15	$ 197.05	$ 10.25	$ 3.65	$ 13.90
9 MONTHS	$ 1,366.75	$ 210.90	$ 1,577.65	$ 92.95	$ 11.70	$ 104.65

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	NET NEW ORDERS Foreign	NET NEW ORDERS Total	Order Backlog	SHIPMENTS Domestic	SHIPMENTS Foreign	SHIPMENTS Total
1986	$ 1,376.55	$ 167.70	$ 1,544.25	897.25	$ 1,684.70	$ 205.60	$ 1,890.30
1987							
JAN	$ 85.65	$ 13.30	$ 98.95	884.95	$ 104.10	$ 7.15	$ 111.25
FEB	$ 98.35	$ 5.35	$ 103.70	889.40	$ 88.80	$ 10.45	$ 99.25
MAR	$ 107.55	$ 15.90	$ 123.45	874.20	$ 118.20	$ 20.45	$ 138.65
APR	$ 65.15	$ 14.40	$ 79.55	837.90	$ 102.10	$ 13.75	$ 115.85
MAY	$ 139.60	$ 5.20	$ 144.80	821.05	$ 146.00	$ 15.65	$ 161.65
JUN	$ 98.85	$ 16.10	$ 114.95	770.90	$ 148.20	$ 16.90	$ 165.10
JUL	$ 84.60	$ 17.50	$ 102.10	736.70	$ 127.90	$ 8.40	$ 136.30
AUG	$ 90.25	$ 6.10	$ 96.35	714.70	$ 99.85	$ 18.50	$ 118.35
SEP (P)	$ 118.65	$ 8.35	$ 127.00	697.30	$ 127.90	$ 16.50	$ 144.40
9 MONTHS	$ 888.65	$ 102.20	$ 990.85		$ 1,063.05	$ 127.75	$ 1,190.80

DATE	GROSS NEW ORDERS Domestic	GROSS NEW ORDERS Foreign	GROSS NEW ORDERS Total	CANCELLATIONS Domestic	CANCELLATIONS Foreign	CANCELLATIONS Total
1986	$ 1,498.60	$ 176.35	$ 1,674.95	$ 122.05	$ 8.65	$ 130.70
1987						
JAN	$ 90.30	$ 13.35	$ 103.65	$ 4.65	$ .05	$ 4.70
FEB	$ 101.55	$ 7.50	$ 109.05	$ 3.20	$ 2.15	$ 5.35
MAR	$ 114.00	$ 17.95	$ 131.95	$ 6.45	$ 2.05	$ 8.50
APR	$ 73.35	$ 14.75	$ 88.10	$ 8.20	$ .35	$ 8.55
MAY	$ 143.55	$ 5.60	$ 149.15	$ 3.95	$ .40	$ 4.35
JUN	$ 101.65	$ 16.60	$ 118.25	$ 2.80	$ .50	$ 3.30
JUL	$ 96.40	$ 17.55	$ 113.95	$ 11.80	$ .05	$ 11.85
AUG	$ 94.00	$ 6.55	$ 100.55	$ 3.75	$ .45	$ 4.20
SEP (P)	$ 125.40	$ 11.95	$ 137.35	$ 6.75	$ 3.60	$ 10.35
9 MONTHS	$ 940.20	$ 111.80	$ 1,052.00	$ 51.55	$ 9.60	$ 61.15

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1986	$ 506.80	$ 74.25	$ 581.05	307.10	$ 621.35	$ 66.85	$ 688.20
1987							
JAN	$ 32.90	$ 14.80	$ 47.70	318.35	$ 31.25	$ 5.20	$ 36.45
FEB	$ 43.10	$ 6.05	$ 49.15	320.15	$ 42.65	$ 4.70	$ 47.35
MAR	$ 28.70	$ 12.05	$ 40.75	317.05	$ 35.85	$ 8.00	$ 43.85
APR	$ 45.00	$ 5.75	$ 50.75	311.30	$ 48.05	$ 8.45	$ 56.50
MAY	$ 36.50	$ 6.80	$ 43.30	307.65	$ 43.80	$ 3.15	$ 46.95
JUN	$ 78.45	$ 9.35	$ 87.80	327.40	$ 54.65	$ 13.40	$ 68.05
JUL	$ 43.90	$ 17.00	$ 60.90	326.80	$ 54.35	$ 7.15	$ 61.50
AUG	$ 36.60	$ 9.05	$ 45.65	332.40	$ 33.60	$ 6.45	$ 40.05
SEP (P)	$ 40.00	$ 16.15	$ 56.15	331.70	$ 47.65	$ 9.20	$ 56.85
9 MONTHS	$ 385.15	$ 97.00	$ 482.15		$ 391.85	$ 65.70	$ 457.55

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1986	$ 566.60	$ 80.85	$ 647.45	$ 59.80	$ 6.60	$ 66.40
1987						
JAN	$ 34.30	$ 14.85	$ 49.15	$ 1.40	$ .05	$ 1.45
FEB	$ 45.90	$ 6.10	$ 52.00	$ 2.80	$ .05	$ 2.85
MAR	$ 51.05	$ 12.10	$ 63.15	$ 22.35	$ .05	$ 22.40
APR	$ 46.25	$ 6.30	$ 52.55	$ 1.25	$ .55	$ 1.80
MAY	$ 36.85	$ 7.35	$ 44.20	$ .35	$ .55	$ .90
JUN	$ 80.40	$ 9.50	$ 89.90	$ 1.95	$ .15	$ 2.10
JUL	$ 45.20	$ 17.05	$ 62.25	$ 1.30	$ .05	$ 1.35
AUG	$ 43.10	$ 9.65	$ 52.75	$ 6.50	$ .60	$ 7.10
SEP (P)	$ 43.50	$ 16.20	$ 59.70	$ 3.50	$ .05	$ 3.55
9 MONTHS	$ 426.55	$ 99.10	$ 525.65	$ 41.40	$ 2.10	$ 43.50

P - Preliminary

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS
(Dollar Figures in Thousands)
1981 to Date

	Cutting and Forming			Cutting			Forming		
	SHIPMENTS		NET	SHIPMENTS		NET	SHIPMENTS		NET
DATE	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS
1981-1	$1,288,200	$210,800	$ 920,350	$1,017,850	$155,600	$ 706,600	$ 270,350	$ 55,200	$ 213,750
2	1,367,500	236,350	867,000	1,103,400	185,450	661,200	264,100	50,900	205,800
3	1,133,950	127,950	593,450	920,300	99,950	455,250	213,650	28,000	138,200
4	1,305,950	143,850	564,050	1,062,950	111,050	405,050	243,000	32,800	159,000
Total	$5,095,600	$718,950	$2,944,850	$4,104,500	$552,050	$2,228,100	$ 991,100	$ 166,900	$ 716,750
1982-1	$1,154,200	$112,650	$ 506,800	$ 933,050	$ 71,750	$ 384,850	$ 221,150	$ 40,900	$ 121,950
2	1,008,450	96,600	382,650	810,650	75,350	274,750	197,800	21,250	107,900
3	783,400	107,200	279,950	640,450	89,750	183,450	142,950	17,450	96,500
4	658,350	89,600	328,350	510,600	59,300	221,400	147,750	30,300	106,950
Total	$3,604,400	$406,050	$1,497,750	$2,894,750	$296,150	$1,064,450	$ 709,650	$ 109,900	$ 433,300
1983-1	$ 487,450	$ 56,650	$ 314,850	$ 370,600	$ 40,800	$ 224,100	$ 116,850	$ 15,850	$ 90,750
2	469,650	58,300	399,100	357,500	49,300	269,300	112,150	9,000	129,800
3	357,050	42,900	468,150	252,350	32,200	322,200	104,700	10,700	145,950
4	530,900	57,150	514,050	391,050	49,600	336,050	139,850	7,550	178,000
Total	$1,845,050	$215,000	$1,696,150	$1,371,500	$171,900	$1,151,650	$ 473,550	$ 43,100	$ 544,500
1984-1	$ 449,500	$ 40,550	$ 600,450	$ 298,100	$ 25,100	$ 412,750	$ 151,400	$ 15,450	$ 187,700
2	572,300	50,700	764,400	401,800	28,250	499,200	170,500	22,450	265,200
3	568,850	41,850	800,200	401,550	24,300	493,000	167,300	17,550	307,200
4	695,200	60,150	750,750	505,050	45,000	510,850	190,150	15,150	239,900
Total	$2,285,850	$193,250	$2,915,800	$1,606,500	$122,650	$1,915,800	$ 679,350	$ 70,600	$1,000,000
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4	680,850	76,650	449,300	515,300	51,400	302,050	165,550	25,250	147,250
Total	$2,578,500	$272,450	$2,125,300	$1,890,300	$205,600	$1,544,250	$ 688,200	$ 66,850	$ 581,050
1987-1	$ 476,800	$ 55,950	$ 463,700	$ 349,150	$ 38,050	$ 326,100	$ 127,650	$ 17,900	$ 137,600
2	614,100	71,300	521,150	442,600	46,300	339,300	171,500	25,000	181,850
3P	557,450	66,200	488,150	399,050	43,400	325,450	158,400	22,800	162,700
Total	$1,648,350	$193,450	$1,473,000	$1,190,800	$127,750	$ 990,850	$ 457,550	$ 65,700	$ 482,150

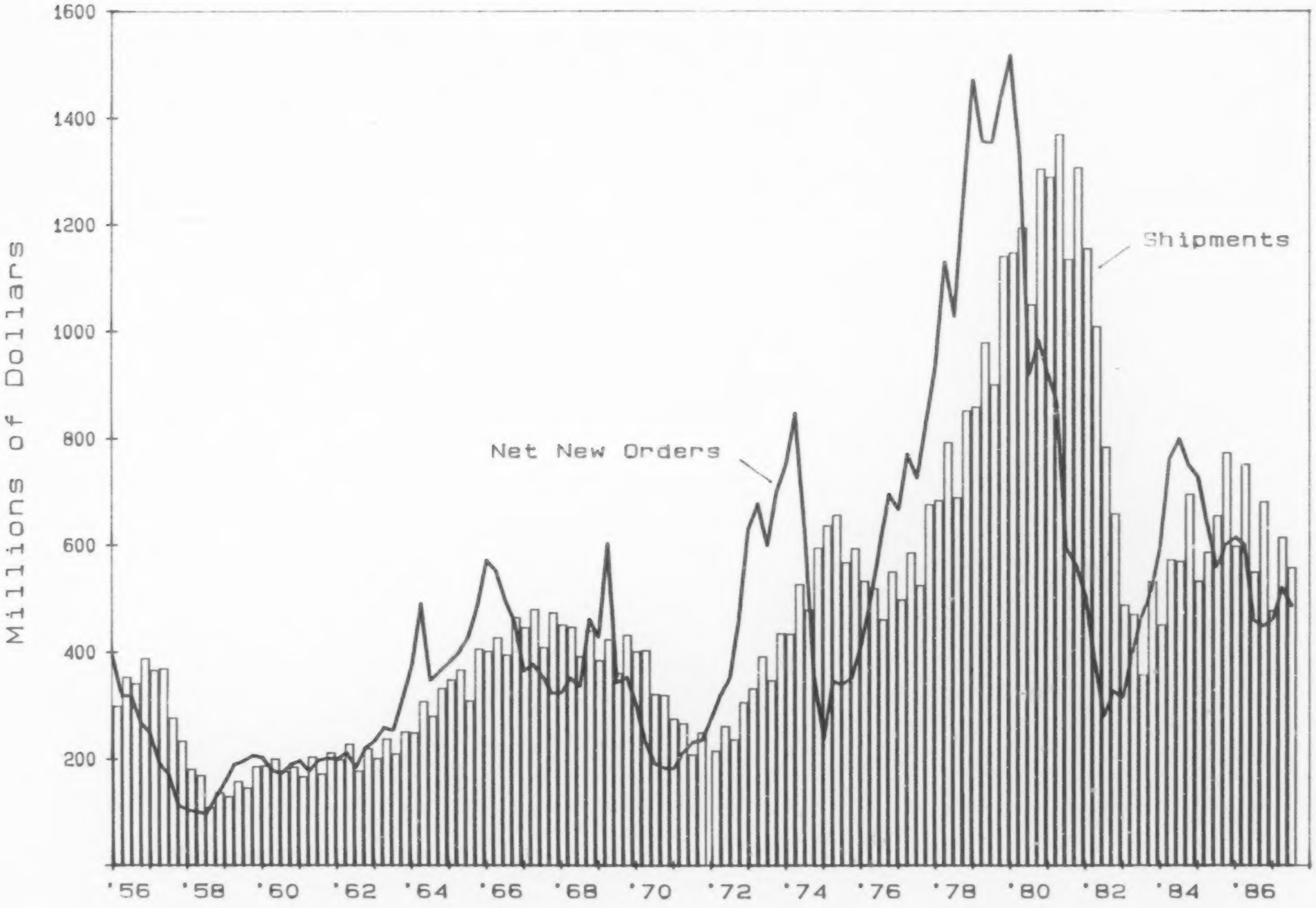
P - Preliminary

NOTE: These data series are available back to 1956. To obtain a copy of the tables for 1956 through 1987, contact:
NMTBA Statistical Department, 7901 Westpark Drive, McLean, Virginia 22102-4269. Phone: 703:893-2900

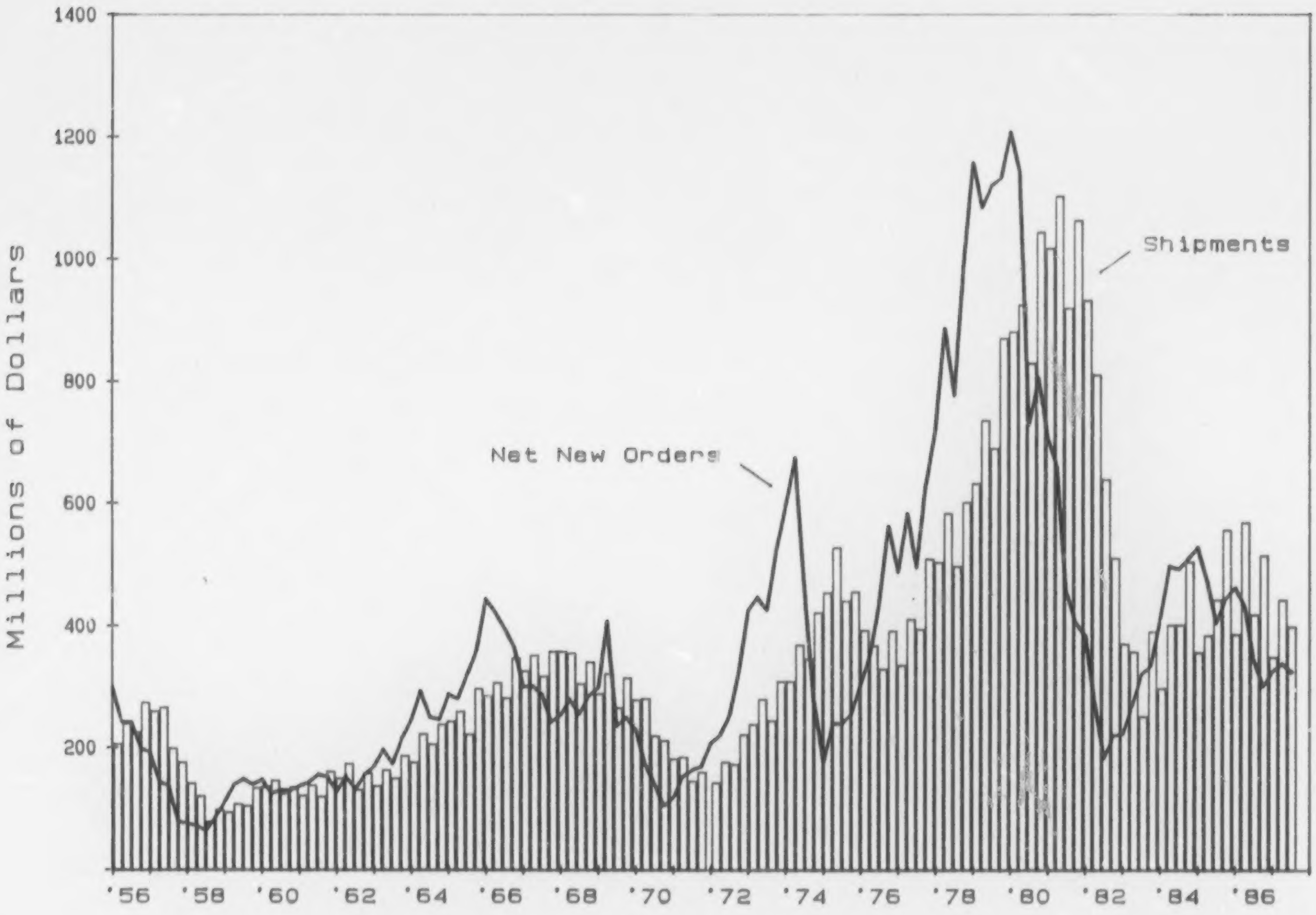
Source: National Machine Tool Builders' Association

October 26, 1987

Total Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1987: 3



Metal Cutting Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1987: 3



Metal Forming Machine Tools
Shipments (Bar) and Net New Orders (Line)
Quarterly, 1956: 1 to 1987: 3